name | date | period

Batch 4eb007e9

Inequalities

Version 1

Match the text to the math symbols.

(1) ☐ a is not equal to b

(2) ☐ a is less than b

(3) ☐ a is greater than or equal to b

(4) ☐ a is less than or equal to b

(5) ☐ a is greater than b

(A) $a \in b$

(B) $a > b$

(C) $a \approx b$

(D) $a \leq b$

(E) $a \neq b$

(F) $a \geq b$

(G) $a < b$

(H) $a \ni b$

---

(6) ☐ Little league players must be at least 9 years old and no more than 12 years old. If x is the age of a little league player, then:

A. $x \geq 9$ and $x \leq 12$
B. $x \ni 9$ and $x \in 12$
C. $x > 9$ and $x < 12$
D. $x < 9$ or $x > 12$

(7) ☐ If $a < b$ and $b > c$, then:

A. $a < c$
B. $a > c$
C. $a = c$
D. we can say nothing about a and c

(8) ☐ Solve for x when

$$6x - 9 > 45$$

A. $x \geq 9$
B. $x < 9$
C. $x \leq 9$
D. $x > 9$

(9) ☐ Select x to satisfy

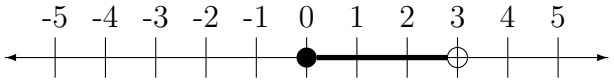
$$8.5x^2 + 18.7x - 837.25 > 0$$

A. $x = -8$
B. $x = -0.6$
C. $x = 2.5$
D. $x = 9.6$

Select the set of inequalities which match the number line.

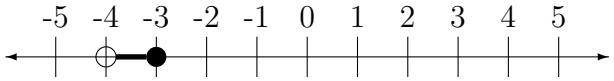
(10) ☐

A. $x > 0$ and $x < 3$
B. $x \geq 0$ and $x < 3$
C. $x > 0$ and $x \leq 3$
D. $x < 0$ or $x > 3$



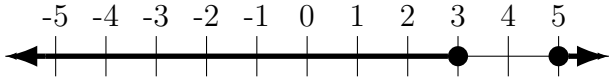
(11) ☐

A. $x > -4$ and $x < -3$
B. $x > -4$ and $x \leq -3$
C. $x \leq -4$ or $x > -3$
D. $x \leq -4$ or $x \geq -3$



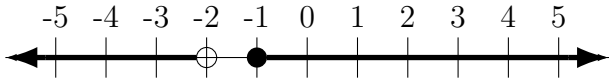
(12) ☐

A. $x > 3$ and $x \leq 5$
B. $x \leq 3$ or $x > 5$
C. $x < 3$ or $x \geq 5$
D. $x \leq 3$ or $x \geq 5$



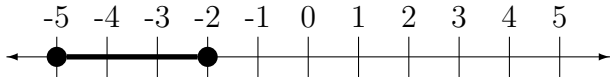
(13) ☐

A. $x > -2$ and $x < -1$
B. $x \geq -2$ and $x \leq -1$
C. $x < -2$ or $x \geq -1$
D. $x \leq -2$ or $x \geq -1$



(14) ☐

A. $x \geq -5$ and $x \leq -2$
B. $x < -5$ or $x > -2$
C. $x \leq -5$ or $x > -2$
D. $x < -5$ or $x \geq -2$



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Inequalities

Version 2

Match the text to the math symbols.

(1) ☐ a is greater than b

(2) ☐ a is not equal to b

(3) ☐ a is less than b

(4) ☐ a is less than or equal to b

(5) ☐ a is greater than or equal to b

(A) $a \leq b$

(B) $a \ni b$

(C) $a > b$

(D) $a \in b$

(E) $a \approx b$

(F) $a \geq b$

(G) $a < b$

(H) $a \neq b$

---

(6) ☐ Little league players must be at least 9 years old and no more than 12 years old. If x is the age of a little league player, then:

A. $x \geq 9$ and $x < 12$
B. $x > 9$ and $x \leq 12$
C. $x \geq 9$ and $x \leq 12$
D. $x \ni 9$ and $x \in 12$

(7) ☐ If $a > b$ and $b > c$, then:

A. $a < c$
B. $a > c$
C. $a = c$
D. we can say nothing about a and c

(8) ☐ Solve for x when

$$-8x - 7 < -39$$

A. $x > 4$
B. $x < 4$
C. $x \geq 4$
D. $x \leq 4$

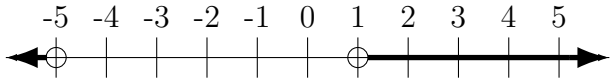
(9) ☐ Select x to satisfy

$$0.3x^2 - 2.1x - 33.87 > 0$$

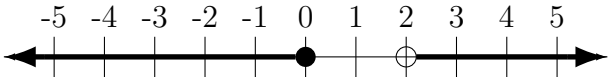
A. $x = -8$
B. $x = -7.2$
C. $x = 5.1$
D. $x = 9.4$

Select the set of inequalities which match the number line.

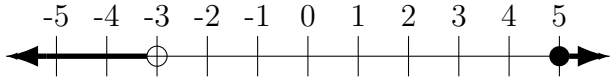
(10) ☐
A. $x > -5$ and $x < 1$
B. $x > -5$ and $x \leq 1$
C. $x \geq -5$ and $x \leq 1$
D. $x < -5$ or $x > 1$



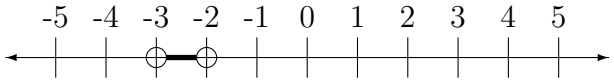
(11) ☐
A. $x > 0$ and $x < 2$
B. $x \leq 0$ or $x > 2$
C. $x < 0$ or $x \geq 2$
D. $x \leq 0$ or $x \geq 2$



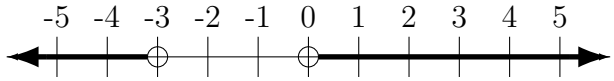
(12) ☐
A. $x > -3$ and $x \leq 5$
B. $x < -3$ or $x > 5$
C. $x < -3$ or $x \geq 5$
D. $x \leq -3$ or $x \geq 5$



(13) ☐
A. $x > -3$ and $x < -2$
B. $x \geq -3$ and $x \leq -2$
C. $x < -3$ or $x > -2$
D. $x \leq -3$ or $x \geq -2$



(14) ☐
A. $x \geq -3$ and $x \leq 0$
B. $x < -3$ or $x > 0$
C. $x < -3$ or $x \geq 0$
D. $x \leq -3$ or $x \geq 0$



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Inequalities

Version 3

Match the text to the math symbols.

(1) ☐ a is greater than or equal to b

(2) ☐ a is greater than b

(3) ☐ a is less than b

(4) ☐ a is not equal to b

(5) ☐ a is less than or equal to b

(A) $a \neq b$

(B) $a \ni b$

(C) $a < b$

(D) $a > b$

(E) $a \in b$

(F) $a \leq b$

(G) $a \geq b$

(H) $a \approx b$

---

(6) ☐ Little league players must be at least 9 years old and no more than 12 years old. If x is the age of a little league player, then:

A. $x > 9$ and $x \leq 12$
B. $x \geq 9$ and $x < 12$
C. $x \geq 9$ and $x \leq 12$
D. $x > 9$ and $x < 12$

(7) ☐ If $a > b$ and $b < c$, then:

A. $a < c$
B. $a > c$
C. $a = c$
D. we can say nothing about a and c

(8) ☐ Solve for x when

$$-4x + 2 > -30$$

A. $x < 8$
B. $x \leq 8$
C. $x \geq 8$
D. $x > 8$

(9) ☐ Select x to satisfy

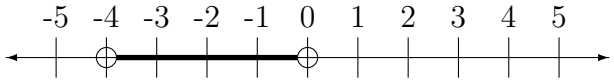
$$5.3x^2 + 69.43x + 200.87 > 0$$

A. $x = -7.6$
B. $x = -6$
C. $x = -5.9$
D. $x = -4.3$

Select the set of inequalities which match the number line.

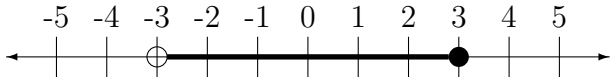
(10) ☐

A. $x > -4$ and $x < 0$
B. $x > -4$ and $x \leq 0$
C. $x \geq -4$ and $x \leq 0$
D. $x \leq -4$ or $x \geq 0$



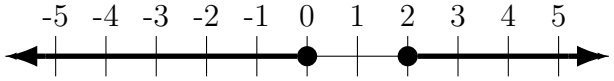
(11) ☐

A. $x > -3$ and $x \leq 3$
B. $x \geq -3$ and $x \leq 3$
C. $x < -3$ or $x > 3$
D. $x < -3$ or $x \geq 3$



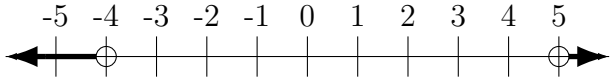
(12) ☐

A. $x \geq 0$ and $x < 2$
B. $x < 0$ or $x > 2$
C. $x \leq 0$ or $x > 2$
D. $x \leq 0$ or $x \geq 2$



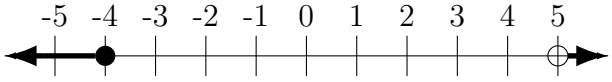
(13) ☐

A. $x > -4$ and $x < 5$
B. $x \geq -4$ and $x \leq 5$
C. $x < -4$ or $x > 5$
D. $x < -4$ or $x \geq 5$



(14) ☐

A. $x \geq -4$ and $x \leq 5$
B. $x < -4$ or $x > 5$
C. $x \leq -4$ or $x > 5$
D. $x < -4$ or $x \geq 5$



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Inequalities

Version 4

Match the text to the math symbols.

(1) ☐ a is less than b

(2) ☐ a is greater than b

(3) ☐ a is less than or equal to b

(4) ☐ a is greater than or equal to b

(5) ☐ a is not equal to b

(A) $a > b$

(B) $a \neq b$

(C) $a \approx b$

(D) $a \in b$

(E) $a \geq b$

(F) $a \leq b$

(G) $a \ni b$

(H) $a < b$

---

(6) ☐ Little league players must be at least 9 years old and no more than 12 years old. If x is the age of a little league player, then:

A. $x \geq 9$ and $x < 12$
B. $x > 9$ and $x \leq 12$
C. $x \geq 9$ and $x \leq 12$
D. $x \ni 9$ and $x \in 12$

(7) ☐ If $a < b$ and $b < c$, then:

A. $a < c$
B. $a > c$
C. $a = c$
D. we can say nothing about a and c

(8) ☐ Solve for x when

$$-6x - 7 > 11$$

A. $x < -3$
B. $x > -3$
C. $x \geq -3$
D. $x \leq -3$

(9) ☐ Select x to satisfy

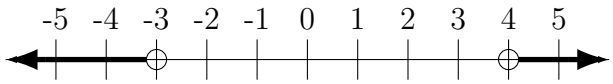
$$-0.9x^2 - 4.14x + 13.05 < 0$$

A. $x = -5.6$
B. $x = -1.1$
C. $x = 2$
D. $x = 2.2$

Select the set of inequalities which match the number line.

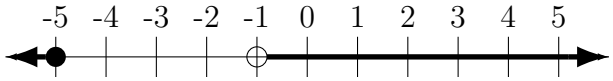
(10) ☐

A. $x > -3$ and $x < 4$
B. $x < -3$ or $x > 4$
C. $x \leq -3$ or $x > 4$
D. $x \leq -3$ or $x \geq 4$



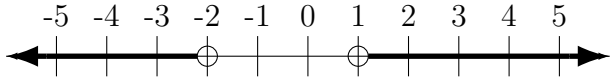
(11) ☐

A. $x \geq -5$ and $x \leq -1$
B. $x \leq -5$ or $x > -1$
C. $x < -5$ or $x \geq -1$
D. $x \leq -5$ or $x \geq -1$



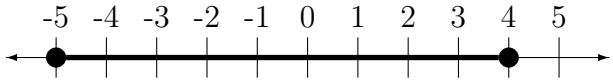
(12) ☐

A. $x \geq -2$ and $x < 1$
B. $x \geq -2$ and $x \leq 1$
C. $x < -2$ or $x > 1$
D. $x < -2$ or $x \geq 1$



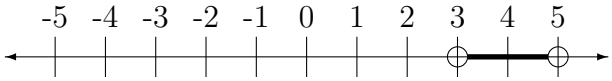
(13) ☐

A. $x > -5$ and $x < 4$
B. $x > -5$ and $x \leq 4$
C. $x \geq -5$ and $x \leq 4$
D. $x \leq -5$ or $x > 4$



(14) ☐

A. $x > 3$ and $x < 5$
B. $x > 3$ and $x \leq 5$
C. $x < 3$ or $x > 5$
D. $x \leq 3$ or $x \geq 5$



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Inequalities

Version 5

Match the text to the math symbols.

(1) ☐ a is greater than or equal to b

(2) ☐ a is less than b

(3) ☐ a is less than or equal to b

(4) ☐ a is not equal to b

(5) ☐ a is greater than b

(A) $a \ni b$

(B) $a \approx b$

(C) $a < b$

(D) $a > b$

(E) $a \leq b$

(F) $a \geq b$

(G) $a \neq b$

(H) $a \in b$

---

(6) ☐ Little league players must be at least 9 years old and no more than 12 years old. If x is the age of a little league player, then:

A. $x \ni 9$ and $x \in 12$
B. $x > 9$ and $x < 12$
C. $x \geq 9$ and $x \leq 12$
D. $x > 9$ and $x \leq 12$

(7) ☐ If $a < b$ and $b < c$, then:

A. $a < c$
B. $a > c$
C. $a = c$
D. we can say nothing about a and c

(8) ☐ Solve for x when

$$2x - 3 < -7$$

A. $x \geq -2$
B. $x > -2$
C. $x < -2$
D. $x \leq -2$

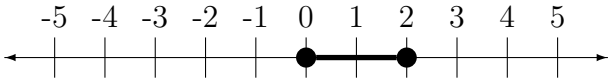
(9) ☐ Select x to satisfy

$$-2.6x^2 + 5.2x - 0.26 > 0$$

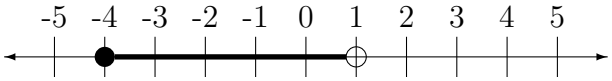
A. $x = -3.1$
B. $x = -0.6$
C. $x = 1.6$
D. $x = 1.9$

Select the set of inequalities which match the number line.

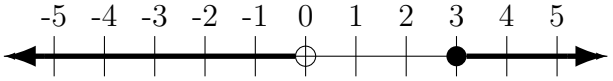
(10) ☐
A. $x \geq 0$ and $x < 2$
B. $x \geq 0$ and $x \leq 2$
C. $x < 0$ or $x > 2$
D. $x \leq 0$ or $x > 2$



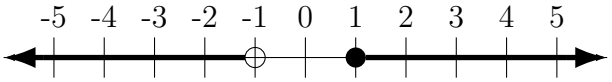
(11) ☐
A. $x \geq -4$ and $x < 1$
B. $x \leq -4$ or $x > 1$
C. $x < -4$ or $x \geq 1$
D. $x \leq -4$ or $x \geq 1$



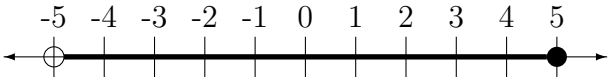
(12) ☐
A. $x > 0$ and $x < 3$
B. $x \geq 0$ and $x \leq 3$
C. $x < 0$ or $x \geq 3$
D. $x \leq 0$ or $x \geq 3$



(13) ☐
A. $x > -1$ and $x < 1$
B. $x \geq -1$ and $x \leq 1$
C. $x < -1$ or $x \geq 1$
D. $x \leq -1$ or $x \geq 1$



(14) ☐
A. $x > -5$ and $x < 5$
B. $x \geq -5$ and $x < 5$
C. $x > -5$ and $x \leq 5$
D. $x \leq -5$ or $x > 5$



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Inequalities

Version 6

Match the text to the math symbols.

(1) ☐ a is not equal to b

(2) ☐ a is less than b

(3) ☐ a is greater than b

(4) ☐ a is less than or equal to b

(5) ☐ a is greater than or equal to b

(A) $a \approx b$

(B) $a < b$

(C) $a \leq b$

(D) $a > b$

(E) $a \in b$

(F) $a \neq b$

(G) $a \geq b$

(H) $a \ni b$

---

(6) ☐ Little league players must be at least 9 years old and no more than 12 years old. If x is the age of a little league player, then:

A. $x < 9$ or $x > 12$
B. $x > 9$ and $x < 12$
C. $x \geq 9$ and $x \leq 12$
D. $x \geq 9$ and $x < 12$

(7) ☐ If $a < b$ and $b > c$, then:

A. $a < c$
B. $a > c$
C. $a = c$
D. we can say nothing about a and c

(8) ☐ Solve for x when

$$-4x + 3 > -5$$

A. $x \leq 2$
B. $x \geq 2$
C. $x > 2$
D. $x < 2$

(9) ☐ Select x to satisfy

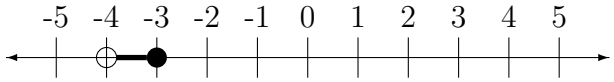
$$4.3x^2 - 33.97x - 12.47 > 0$$

A. $x = -2.2$
B. $x = 3.3$
C. $x = 5.6$
D. $x = 8.2$

Select the set of inequalities which match the number line.

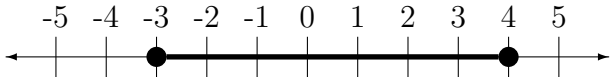
(10) ☐

A. $x > -4$ and $x \leq -3$
B. $x < -4$ or $x > -3$
C. $x < -4$ or $x \geq -3$
D. $x \leq -4$ or $x \geq -3$



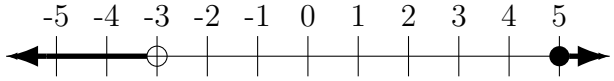
(11) ☐

A. $x > -3$ and $x < 4$
B. $x \geq -3$ and $x \leq 4$
C. $x < -3$ or $x > 4$
D. $x < -3$ or $x \geq 4$



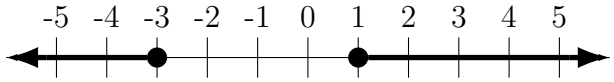
(12) ☐

A. $x > -3$ and $x \leq 5$
B. $x \leq -3$ or $x > 5$
C. $x < -3$ or $x \geq 5$
D. $x \leq -3$ or $x \geq 5$



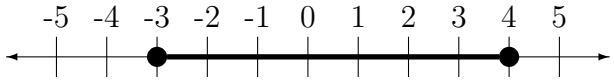
(13) ☐

A. $x \geq -3$ and $x < 1$
B. $x > -3$ and $x \leq 1$
C. $x < -3$ or $x > 1$
D. $x \leq -3$ or $x \geq 1$



(14) ☐

A. $x \geq -3$ and $x < 4$
B. $x \geq -3$ and $x \leq 4$
C. $x < -3$ or $x > 4$
D. $x < -3$ or $x \geq 4$



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Inequalities

Version 7

Match the text to the math symbols.

(1) ☐ a is less than b

(2) ☐ a is greater than b

(3) ☐ a is greater than or equal to b

(4) ☐ a is not equal to b

(5) ☐ a is less than or equal to b

(A) $a \leq b$

(B) $a \neq b$

(C) $a \ni b$

(D) $a \approx b$

(E) $a \in b$

(F) $a < b$

(G) $a > b$

(H) $a \geq b$

---

(6) ☐ Little league players must be at least 9 years old and no more than 12 years old. If x is the age of a little league player, then:

A. $x \ni 9$ and $x \in 12$
B. $x \geq 9$ and $x \leq 12$
C. $x < 9$ or $x > 12$
D. $x \geq 9$ and $x < 12$

(7) ☐ If $a > b$ and $b < c$, then:

A. $a < c$
B. $a > c$
C. $a = c$
D. we can say nothing about a and c

(8) ☐ Solve for x when

$$1x - 3 > -2$$

A. $x \leq 1$
B. $x < 1$
C. $x > 1$
D. $x \geq 1$

(9) ☐ Select x to satisfy

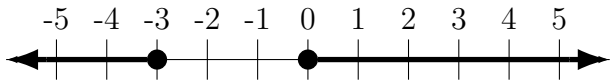
$$-5.5x^2 - 56.65x - 28.6 > 0$$

A. $x = -9.8$
B. $x = -0.6$
C. $x = 0.1$
D. $x = 3.1$

Select the set of inequalities which match the number line.

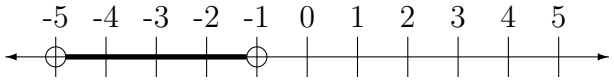
(10) ☐

A. $x > -3$ and $x \leq 0$
B. $x < -3$ or $x > 0$
C. $x < -3$ or $x \geq 0$
D. $x \leq -3$ or $x \geq 0$



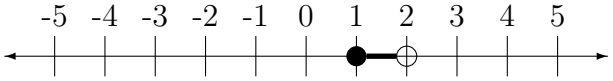
(11) ☐

A. $x > -5$ and $x < -1$
B. $x \geq -5$ and $x \leq -1$
C. $x < -5$ or $x > -1$
D. $x \leq -5$ or $x > -1$



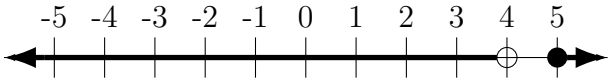
(12) ☐

A. $x \geq 1$ and $x < 2$
B. $x \leq 1$ or $x > 2$
C. $x < 1$ or $x \geq 2$
D. $x \leq 1$ or $x \geq 2$



(13) ☐

A. $x > 4$ and $x < 5$
B. $x \geq 4$ and $x < 5$
C. $x \geq 4$ and $x \leq 5$
D. $x < 4$ or $x \geq 5$



(14) ☐

A. $x > 2$ and $x \leq 3$
B. $x \geq 2$ and $x \leq 3$
C. $x < 2$ or $x \geq 3$
D. $x \leq 2$ or $x \geq 3$

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Inequalities

Version 8

Match the text to the math symbols.

(1) ☐ a is less than or equal to b

(2) ☐ a is less than b

(3) ☐ a is greater than or equal to b

(4) ☐ a is not equal to b

(5) ☐ a is greater than b

(A) $a \leq b$

(B) $a \in b$

(C) $a > b$

(D) $a \ni b$

(E) $a \neq b$

(F) $a \approx b$

(G) $a \geq b$

(H) $a < b$

---

(6) ☐ Little league players must be at least 9 years old and no more than 12 years old. If x is the age of a little league player, then:

A. $x \geq 9$ and $x \leq 12$
B. $x \geq 9$ and $x < 12$
C. $x \ni 9$ and $x \in 12$
D. $x > 9$ and $x < 12$

(7) ☐ If $a > b$ and $b > c$, then:

A. $a < c$
B. $a > c$
C. $a = c$
D. we can say nothing about a and c

(8) ☐ Solve for x when

$$-2x - 1 > -5$$

A. $x < 2$
B. $x \leq 2$
C. $x \geq 2$
D. $x > 2$

(9) ☐ Select x to satisfy

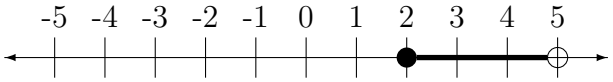
$$-4.4x^2 - 52.36x + 578.16 < 0$$

A. $x = -8.5$
B. $x = 0.6$
C. $x = 5.6$
D. $x = 8.3$

Select the set of inequalities which match the number line.

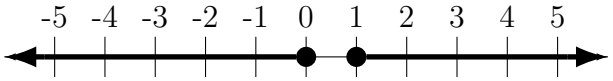
(10) ☐

A. $x \geq 2$ and $x < 5$
B. $x > 2$ and $x \leq 5$
C. $x \geq 2$ and $x \leq 5$
D. $x \leq 2$ or $x \geq 5$



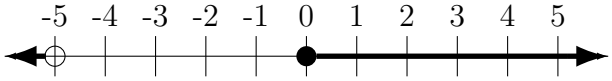
(11) ☐

A. $x \geq 0$ and $x < 1$
B. $x \geq 0$ and $x \leq 1$
C. $x < 0$ or $x \geq 1$
D. $x \leq 0$ or $x \geq 1$



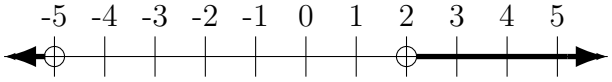
(12) ☐

A. $x \geq -5$ and $x \leq 0$
B. $x < -5$ or $x > 0$
C. $x < -5$ or $x \geq 0$
D. $x \leq -5$ or $x \geq 0$



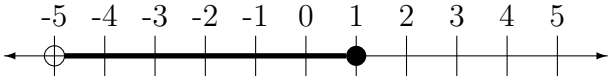
(13) ☐

A. $x \geq -5$ and $x < 2$
B. $x \geq -5$ and $x \leq 2$
C. $x < -5$ or $x > 2$
D. $x < -5$ or $x \geq 2$



(14) ☐

A. $x \geq -5$ and $x < 1$
B. $x > -5$ and $x \leq 1$
C. $x \geq -5$ and $x \leq 1$
D. $x \leq -5$ or $x > 1$



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Inequalities

Version 9

Match the text to the math symbols.

(1) ☐ a is greater than or equal to b

(2) ☐ a is less than or equal to b

(3) ☐ a is greater than b

(4) ☐ a is not equal to b

(5) ☐ a is less than b

(A) $a \in b$

(B) $a \geq b$

(C) $a < b$

(D) $a \neq b$

(E) $a \approx b$

(F) $a \ni b$

(G) $a > b$

(H) $a \leq b$

---

(6) ☐ Little league players must be at least 9 years old and no more than 12 years old. If x is the age of a little league player, then:

A. $x < 9$ or $x > 12$
B. $x \geq 9$ and $x < 12$
C. $x \geq 9$ and $x \leq 12$
D. $x > 9$ and $x \leq 12$

(7) ☐ If $a > b$ and $b > c$, then:

A. $a < c$
B. $a > c$
C. $a = c$
D. we can say nothing about a and c

(8) ☐ Solve for x when

$$-x + 5 < -4$$

A. $x > 9$
B. $x \leq 9$
C. $x \geq 9$
D. $x < 9$

(9) ☐ Select x to satisfy

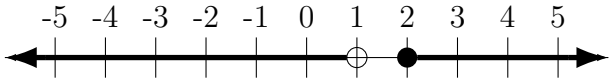
$$-5.4x^2 + 24.3x + 39.42 < 0$$

A. $x = -1.2$
B. $x = 3.9$
C. $x = 4.5$
D. $x = 7.3$

Select the set of inequalities which match the number line.

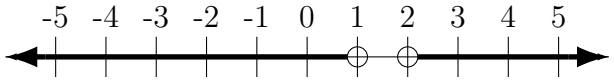
(10) ☐

A. $x > 1$ and $x < 2$
B. $x < 1$ or $x > 2$
C. $x < 1$ or $x \geq 2$
D. $x \leq 1$ or $x \geq 2$



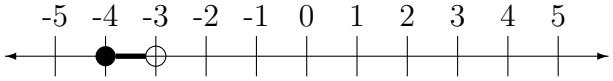
(11) ☐

A. $x \geq 1$ and $x < 2$
B. $x < 1$ or $x > 2$
C. $x < 1$ or $x \geq 2$
D. $x \leq 1$ or $x \geq 2$



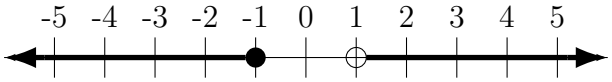
(12) ☐

A. $x \geq -4$ and $x < -3$
B. $x > -4$ and $x \leq -3$
C. $x \geq -4$ and $x \leq -3$
D. $x \leq -4$ or $x > -3$



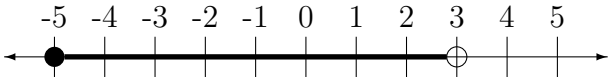
(13) ☐

A. $x \geq -1$ and $x < 1$
B. $x \leq -1$ or $x > 1$
C. $x < -1$ or $x \geq 1$
D. $x \leq -1$ or $x \geq 1$



(14) ☐

A. $x \geq -5$ and $x < 3$
B. $x \geq -5$ and $x \leq 3$
C. $x \leq -5$ or $x > 3$
D. $x < -5$ or $x \geq 3$



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Inequalities

Version 10

Match the text to the math symbols.

(1) ☐ a is not equal to b

(2) ☐ a is greater than or equal to b

(3) ☐ a is less than b

(4) ☐ a is greater than b

(5) ☐ a is less than or equal to b

(A) $a \approx b$

(B) $a > b$

(C) $a < b$

(D) $a \neq b$

(E) $a \geq b$

(F) $a \ni b$

(G) $a \in b$

(H) $a \leq b$

---

(6) ☐ Little league players must be at least 9 years old and no more than 12 years old. If x is the age of a little league player, then:

A. $x \ni 9$ and $x \in 12$
B. $x > 9$ and $x < 12$
C. $x \geq 9$ and $x \leq 12$
D. $x \geq 9$ and $x < 12$

(7) ☐ If $a > b$ and $b > c$, then:

A. $a < c$
B. $a > c$
C. $a = c$
D. we can say nothing about a and c

(8) ☐ Solve for x when

$$5x + 5 \geq 45$$

A. $x \geq 8$
B. $x > 8$
C. $x < 8$
D. $x \leq 8$

(9) ☐ Select x to satisfy

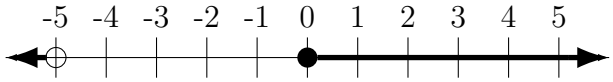
$$-0.7x^2 - 9.17x - 29.4 > 0$$

A. $x = -7.8$
B. $x = -5.9$
C. $x = 2.6$
D. $x = 4.5$

Select the set of inequalities which match the number line.

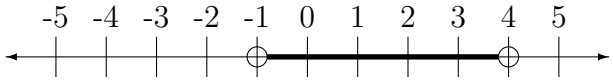
(10) ☐

A. $x > -5$ and $x < 0$
B. $x < -5$ or $x > 0$
C. $x < -5$ or $x \geq 0$
D. $x \leq -5$ or $x \geq 0$



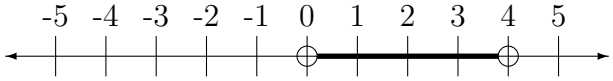
(11) ☐

A. $x > -1$ and $x < 4$
B. $x \geq -1$ and $x \leq 4$
C. $x \leq -1$ or $x > 4$
D. $x < -1$ or $x \geq 4$



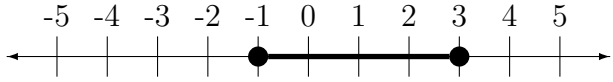
(12) ☐

A. $x > 0$ and $x < 4$
B. $x \geq 0$ and $x < 4$
C. $x > 0$ and $x \leq 4$
D. $x \geq 0$ and $x \leq 4$



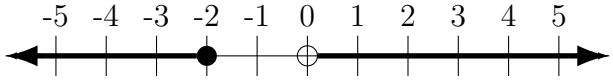
(13) ☐

A. $x \geq -1$ and $x \leq 3$
B. $x \leq -1$ or $x > 3$
C. $x < -1$ or $x \geq 3$
D. $x \leq -1$ or $x \geq 3$



(14) ☐

A. $x > -2$ and $x < 0$
B. $x \geq -2$ and $x < 0$
C. $x \leq -2$ or $x > 0$
D. $x < -2$ or $x \geq 0$



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Inequalities

Version 11

Match the text to the math symbols.

(1) ☐ a is greater than or equal to b

(2) ☐ a is less than or equal to b

(3) ☐ a is not equal to b

(4) ☐ a is less than b

(5) ☐ a is greater than b

(A) $a \leq b$

(B) $a \neq b$

(C) $a \in b$

(D) $a \approx b$

(E) $a > b$

(F) $a < b$

(G) $a \geq b$

(H) $a \ni b$

---

(6) ☐ Little league players must be at least 9 years old and no more than 12 years old. If x is the age of a little league player, then:

A. $x \geq 9$ and $x \leq 12$
B. $x \geq 9$ and $x < 12$
C. $x \ni 9$ and $x \in 12$
D. $x < 9$ or $x > 12$

(7) ☐ If $a > b$ and $b > c$, then:

A. $a < c$
B. $a > c$
C. $a = c$
D. we can say nothing about a and c

(8) ☐ Solve for x when

$$-x + 6 > 1$$

A. $x \leq 5$
B. $x > 5$
C. $x \geq 5$
D. $x < 5$

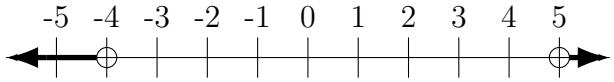
(9) ☐ Select x to satisfy

$$-8.2x^2 - 1.64x + 449.36 < 0$$

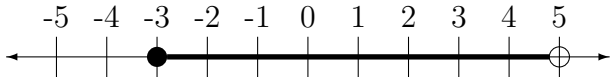
A. $x = -7.8$
B. $x = -4.7$
C. $x = -2.9$
D. $x = 0.3$

Select the set of inequalities which match the number line.

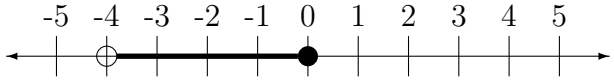
(10) ☐
A. $x > -4$ and $x \leq 5$
B. $x \geq -4$ and $x \leq 5$
C. $x < -4$ or $x > 5$
D. $x \leq -4$ or $x > 5$



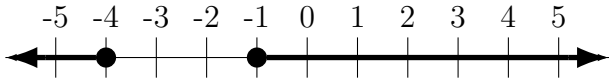
(11) ☐
A. $x \geq -3$ and $x < 5$
B. $x < -3$ or $x > 5$
C. $x \leq -3$ or $x > 5$
D. $x < -3$ or $x \geq 5$



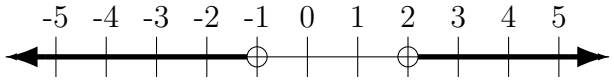
(12) ☐
A. $x > -4$ and $x \leq 0$
B. $x \geq -4$ and $x \leq 0$
C. $x \leq -4$ or $x > 0$
D. $x < -4$ or $x \geq 0$



(13) ☐
A. $x > -4$ and $x < -1$
B. $x > -4$ and $x \leq -1$
C. $x < -4$ or $x > -1$
D. $x \leq -4$ or $x \geq -1$



(14) ☐
A. $x > -1$ and $x < 2$
B. $x \geq -1$ and $x < 2$
C. $x > -1$ and $x \leq 2$
D. $x < -1$ or $x > 2$



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Inequalities

Version 12

Match the text to the math symbols.

(1) ☐ a is less than b

(2) ☐ a is greater than b

(3) ☐ a is less than or equal to b

(4) ☐ a is not equal to b

(5) ☐ a is greater than or equal to b

(A) $a \geq b$

(B) $a < b$

(C) $a > b$

(D) $a \leq b$

(E) $a \in b$

(F) $a \neq b$

(G) $a \approx b$

(H) $a \ni b$

---

(6) ☐ Little league players must be at least 9 years old and no more than 12 years old. If x is the age of a little league player, then:

A. $x \geq 9$ and $x < 12$
B. $x > 9$ and $x < 12$
C. $x \geq 9$ and $x \leq 12$
D. $x < 9$ or $x > 12$

(7) ☐ If $a > b$ and $b < c$, then:

A. $a < c$
B. $a > c$
C. $a = c$
D. we can say nothing about a and c

(8) ☐ Solve for x when

$$8x + 5 \leq -67$$

A. $x \geq -9$
B. $x \leq -9$
C. $x > -9$
D. $x < -9$

(9) ☐ Select x to satisfy

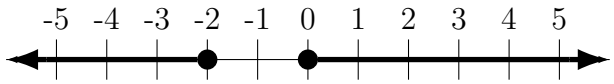
$$3.1x^2 - 25.73x - 0.93 > 0$$

A. $x = 1$
B. $x = 2.1$
C. $x = 8.3$
D. $x = 8.9$

Select the set of inequalities which match the number line.

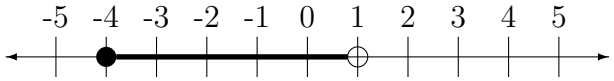
(10) ☐

A. $x \geq -2$ and $x < 0$
B. $x \geq -2$ and $x \leq 0$
C. $x \leq -2$ or $x > 0$
D. $x \leq -2$ or $x \geq 0$



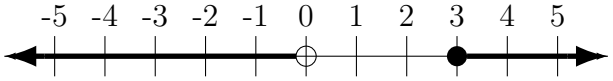
(11) ☐

A. $x > -4$ and $x < 1$
B. $x \geq -4$ and $x < 1$
C. $x < -4$ or $x > 1$
D. $x \leq -4$ or $x > 1$



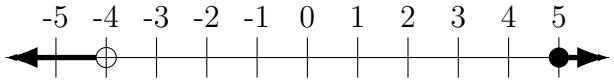
(12) ☐

A. $x > 0$ and $x \leq 3$
B. $x < 0$ or $x > 3$
C. $x \leq 0$ or $x > 3$
D. $x < 0$ or $x \geq 3$



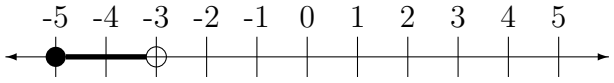
(13) ☐

A. $x > -4$ and $x < 5$
B. $x \geq -4$ and $x \leq 5$
C. $x < -4$ or $x > 5$
D. $x < -4$ or $x \geq 5$



(14) ☐

A. $x > -5$ and $x < -3$
B. $x \geq -5$ and $x < -3$
C. $x \leq -5$ or $x > -3$
D. $x < -5$ or $x \geq -3$



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Inequalities

Version 13

Match the text to the math symbols.

(1) ☐ a is less than or equal to b

(2) ☐ a is less than b

(3) ☐ a is greater than b

(4) ☐ a is greater than or equal to b

(5) ☐ a is not equal to b

(A) $a \approx b$

(B) $a \neq b$

(C) $a > b$

(D) $a \geq b$

(E) $a \ni b$

(F) $a \in b$

(G) $a \leq b$

(H) $a < b$

---

(6) ☐ Little league players must be at least 9 years old and no more than 12 years old. If x is the age of a little league player, then:

A. $x > 9$ and $x \leq 12$
B. $x \ni 9$ and $x \in 12$
C. $x > 9$ and $x < 12$
D. $x \geq 9$ and $x \leq 12$

(7) ☐ If $a > b$ and $b > c$, then:

A. $a < c$
B. $a > c$
C. $a = c$
D. we can say nothing about a and c

(8) ☐ Solve for x when

$$3x + 5 > -13$$

A. $x \geq -6$
B. $x > -6$
C. $x < -6$
D. $x \leq -6$

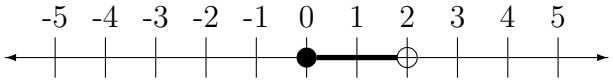
(9) ☐ Select x to satisfy

$$0.4x^2 - 2.2x - 3.6 > 0$$

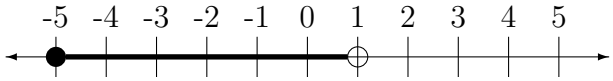
A. $x = -1.2$
B. $x = 1.3$
C. $x = 3.7$
D. $x = 8$

Select the set of inequalities which match the number line.

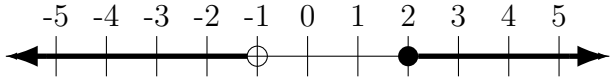
(10) ☐
A. $x > 0$ and $x < 2$
B. $x \geq 0$ and $x < 2$
C. $x < 0$ or $x \geq 2$
D. $x \leq 0$ or $x \geq 2$



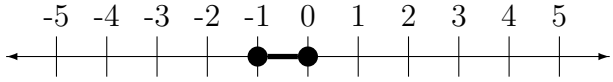
(11) ☐
A. $x > -5$ and $x < 1$
B. $x \geq -5$ and $x < 1$
C. $x > -5$ and $x \leq 1$
D. $x \leq -5$ or $x \geq 1$



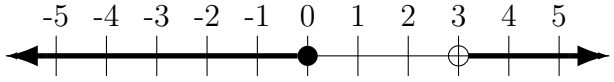
(12) ☐
A. $x > -1$ and $x < 2$
B. $x > -1$ and $x \leq 2$
C. $x \geq -1$ and $x \leq 2$
D. $x < -1$ or $x \geq 2$



(13) ☐
A. $x \geq -1$ and $x < 0$
B. $x > -1$ and $x \leq 0$
C. $x \geq -1$ and $x \leq 0$
D. $x < -1$ or $x \geq 0$



(14) ☐
A. $x \geq 0$ and $x \leq 3$
B. $x < 0$ or $x > 3$
C. $x \leq 0$ or $x > 3$
D. $x \leq 0$ or $x \geq 3$



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Inequalities

Version 14

Match the text to the math symbols.

(1) ☐ a is less than or equal to b

(2) ☐ a is greater than b

(3) ☐ a is less than b

(4) ☐ a is greater than or equal to b

(5) ☐ a is not equal to b

(A) $a \geq b$

(B) $a \approx b$

(C) $a \ni b$

(D) $a > b$

(E) $a \neq b$

(F) $a < b$

(G) $a \leq b$

(H) $a \in b$

---

(6) ☐ Little league players must be at least 9 years old and no more than 12 years old. If x is the age of a little league player, then:

A. $x \geq 9$ and $x \leq 12$
B. $x \ni 9$ and $x \in 12$
C. $x \geq 9$ and $x < 12$
D. $x < 9$ or $x > 12$

(7) ☐ If $a > b$ and $b < c$, then:

A. $a < c$
B. $a > c$
C. $a = c$
D. we can say nothing about a and c

(8) ☐ Solve for x when

$$-3x - 9 > -12$$

A. $x \geq 1$
B. $x < 1$
C. $x > 1$
D. $x \leq 1$

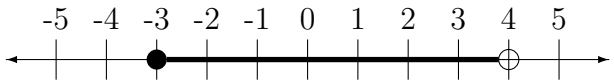
(9) ☐ Select x to satisfy

$$1.5x^2 + 0.75x - 3.45 < 0$$

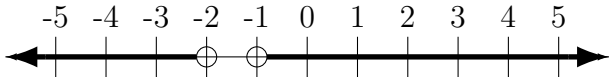
A. $x = -2.8$
B. $x = 0.5$
C. $x = 4.2$
D. $x = 9.7$

Select the set of inequalities which match the number line.

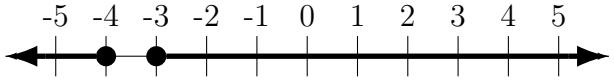
(10) ☐
A. $x > -3$ and $x < 4$
B. $x \geq -3$ and $x < 4$
C. $x \geq -3$ and $x \leq 4$
D. $x \leq -3$ or $x \geq 4$



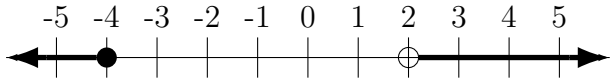
(11) ☐
A. $x > -2$ and $x < -1$
B. $x \geq -2$ and $x \leq -1$
C. $x < -2$ or $x > -1$
D. $x < -2$ or $x \geq -1$



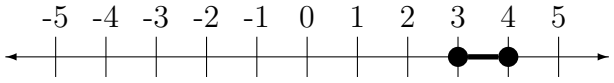
(12) ☐
A. $x > -4$ and $x < -3$
B. $x \geq -4$ and $x < -3$
C. $x \leq -4$ or $x > -3$
D. $x \leq -4$ or $x \geq -3$



(13) ☐
A. $x > -4$ and $x \leq 2$
B. $x \geq -4$ and $x \leq 2$
C. $x \leq -4$ or $x > 2$
D. $x \leq -4$ or $x \geq 2$



(14) ☐
A. $x \geq 3$ and $x < 4$
B. $x \geq 3$ and $x \leq 4$
C. $x < 3$ or $x > 4$
D. $x \leq 3$ or $x \geq 4$



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Inequalities

Version 15

Match the text to the math symbols.

(1) ☐ a is less than b

(2) ☐ a is not equal to b

(3) ☐ a is greater than b

(4) ☐ a is less than or equal to b

(5) ☐ a is greater than or equal to b

(A) $a < b$

(B) $a \ni b$

(C) $a \in b$

(D) $a \geq b$

(E) $a \leq b$

(F) $a > b$

(G) $a \approx b$

(H) $a \neq b$

---

(6) ☐ Little league players must be at least 9 years old and no more than 12 years old. If x is the age of a little league player, then:

A. $x < 9$ or $x > 12$
B. $x > 9$ and $x < 12$
C. $x \geq 9$ and $x < 12$
D. $x \geq 9$ and $x \leq 12$

(7) ☐ If $a > b$ and $b > c$, then:

A. $a < c$
B. $a > c$
C. $a = c$
D. we can say nothing about a and c

(8) ☐ Solve for x when

$$-3x + 7 < 34$$

A. $x < -9$
B. $x > -9$
C. $x \leq -9$
D. $x \geq -9$

(9) ☐ Select x to satisfy

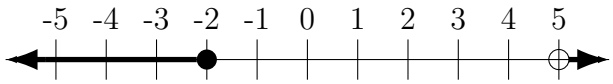
$$-1.9x^2 - 13.68x - 19 > 0$$

A. $x = -5.5$
B. $x = -5.1$
C. $x = 5.7$
D. $x = 9.3$

Select the set of inequalities which match the number line.

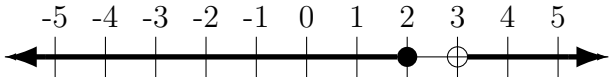
(10) ☐

A. $x > -2$ and $x < 5$
B. $x < -2$ or $x > 5$
C. $x \leq -2$ or $x > 5$
D. $x \leq -2$ or $x \geq 5$



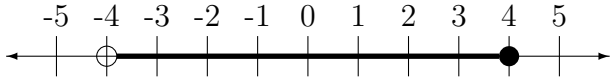
(11) ☐

A. $x > 2$ and $x < 3$
B. $x \geq 2$ and $x < 3$
C. $x < 2$ or $x > 3$
D. $x \leq 2$ or $x > 3$



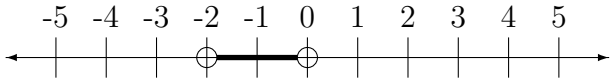
(12) ☐

A. $x \geq -4$ and $x < 4$
B. $x > -4$ and $x \leq 4$
C. $x < -4$ or $x > 4$
D. $x \leq -4$ or $x \geq 4$



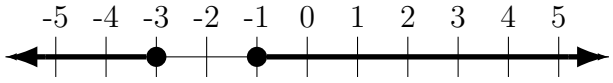
(13) ☐

A. $x > -2$ and $x < 0$
B. $x \geq -2$ and $x \leq 0$
C. $x < -2$ or $x > 0$
D. $x \leq -2$ or $x \geq 0$



(14) ☐

A. $x \geq -3$ and $x \leq -1$
B. $x < -3$ or $x > -1$
C. $x < -3$ or $x \geq -1$
D. $x \leq -3$ or $x \geq -1$



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Inequalities

Version 16

Match the text to the math symbols.

(1) ☐ a is greater than b

(2) ☐ a is greater than or equal to b

(3) ☐ a is less than b

(4) ☐ a is less than or equal to b

(5) ☐ a is not equal to b

(A) $a \leq b$

(B) $a \geq b$

(C) $a \in b$

(D) $a \approx b$

(E) $a \neq b$

(F) $a > b$

(G) $a < b$

(H) $a \ni b$

---

(6) ☐ Little league players must be at least 9 years old and no more than 12 years old. If x is the age of a little league player, then:

A. $x > 9$ and $x \leq 12$
B. $x > 9$ and $x < 12$
C. $x < 9$ or $x > 12$
D. $x \geq 9$ and $x \leq 12$

(7) ☐ If $a < b$ and $b < c$, then:

A. $a < c$
B. $a > c$
C. $a = c$
D. we can say nothing about a and c

(8) ☐ Solve for x when

$$-x + 8 < 8$$

A. $x \leq 0$
B. $x < 0$
C. $x \geq 0$
D. $x > 0$

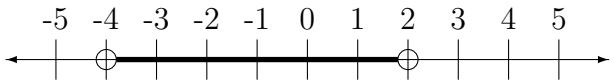
(9) ☐ Select x to satisfy

$$7.7x^2 + 117.04x - 356.51 > 0$$

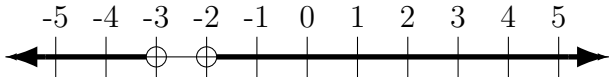
A. $x = -8.3$
B. $x = -5.6$
C. $x = -1.3$
D. $x = 4.4$

Select the set of inequalities which match the number line.

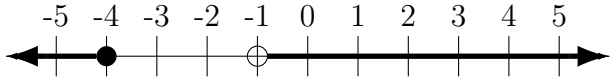
(10) ☐
A. $x > -4$ and $x < 2$
B. $x > -4$ and $x \leq 2$
C. $x < -4$ or $x > 2$
D. $x \leq -4$ or $x \geq 2$



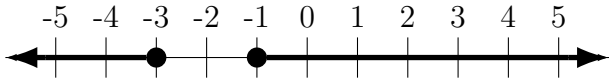
(11) ☐
A. $x > -3$ and $x < -2$
B. $x \geq -3$ and $x < -2$
C. $x < -3$ or $x > -2$
D. $x \leq -3$ or $x \geq -2$



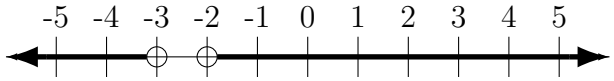
(12) ☐
A. $x > -4$ and $x \leq -1$
B. $x \geq -4$ and $x \leq -1$
C. $x < -4$ or $x > -1$
D. $x \leq -4$ or $x > -1$



(13) ☐
A. $x > -3$ and $x < -1$
B. $x \leq -3$ or $x > -1$
C. $x < -3$ or $x \geq -1$
D. $x \leq -3$ or $x \geq -1$



(14) ☐
A. $x \geq -3$ and $x < -2$
B. $x \geq -3$ and $x \leq -2$
C. $x < -3$ or $x > -2$
D. $x \leq -3$ or $x > -2$



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Batch 4eb007e9

Inequalities

Version 17

Match the text to the math symbols.

(1) ☐ a is greater than or equal to b

(2) ☐ a is not equal to b

(3) ☐ a is greater than b

(4) ☐ a is less than or equal to b

(5) ☐ a is less than b

(A) $a \ni b$

(B) $a > b$

(C) $a \leq b$

(D) $a \neq b$

(E) $a \in b$

(F) $a \geq b$

(G) $a \approx b$

(H) $a < b$

---

(6) ☐ Little league players must be at least 9 years old and no more than 12 years old. If x is the age of a little league player, then:

A. $x > 9$ and $x \leq 12$
B. $x \geq 9$ and $x \leq 12$
C. $x \ni 9$ and $x \in 12$
D. $x > 9$ and $x < 12$

(7) ☐ If $a < b$ and $b > c$, then:

A. $a < c$
B. $a > c$
C. $a = c$
D. we can say nothing about a and c

(8) ☐ Solve for x when

$$-3x + 6 \leq 3$$

A. $x \geq 1$
B. $x > 1$
C. $x < 1$
D. $x \leq 1$

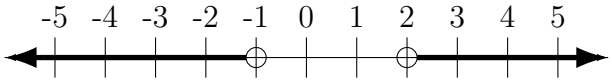
(9) ☐ Select x to satisfy

$$-3.6x^2 + 13.32x - 8.64 > 0$$

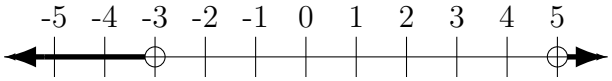
A. $x = -1.7$
B. $x = 2.3$
C. $x = 3.1$
D. $x = 6.1$

Select the set of inequalities which match the number line.

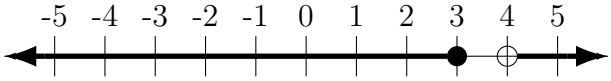
(10) ☐
A. $x \geq -1$ and $x \leq 2$
B. $x < -1$ or $x > 2$
C. $x \leq -1$ or $x > 2$
D. $x < -1$ or $x \geq 2$



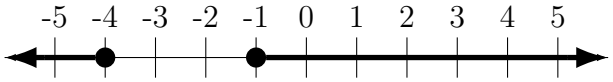
(11) ☐
A. $x \geq -3$ and $x < 5$
B. $x > -3$ and $x \leq 5$
C. $x < -3$ or $x > 5$
D. $x \leq -3$ or $x > 5$



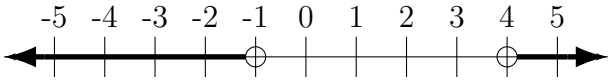
(12) ☐
A. $x \geq 3$ and $x < 4$
B. $x \geq 3$ and $x \leq 4$
C. $x \leq 3$ or $x > 4$
D. $x < 3$ or $x \geq 4$



(13) ☐
A. $x > -4$ and $x < -1$
B. $x \geq -4$ and $x < -1$
C. $x \geq -4$ and $x \leq -1$
D. $x \leq -4$ or $x \geq -1$



(14) ☐
A. $x \geq -1$ and $x < 4$
B. $x \geq -1$ and $x \leq 4$
C. $x < -1$ or $x > 4$
D. $x \leq -1$ or $x > 4$



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Inequalities

Version 18

Match the text to the math symbols.

(1) ☐ a is not equal to b

(2) ☐ a is less than b

(3) ☐ a is less than or equal to b

(4) ☐ a is greater than or equal to b

(5) ☐ a is greater than b

(A) $a \in b$

(B) $a \geq b$

(C) $a < b$

(D) $a \approx b$

(E) $a \neq b$

(F) $a \ni b$

(G) $a > b$

(H) $a \leq b$

---

(6) ☐ Little league players must be at least 9 years old and no more than 12 years old. If x is the age of a little league player, then:

A. $x > 9$ and $x < 12$
B. $x \geq 9$ and $x \leq 12$
C. $x < 9$ or $x > 12$
D. $x \ni 9$ and $x \in 12$

(7) ☐ If $a > b$ and $b < c$, then:

A. $a < c$
B. $a > c$
C. $a = c$
D. we can say nothing about a and c

(8) ☐ Solve for x when

$$-x - 5 \geq -3$$

A. $x > -2$
B. $x < -2$
C. $x \geq -2$
D. $x \leq -2$

(9) ☐ Select x to satisfy

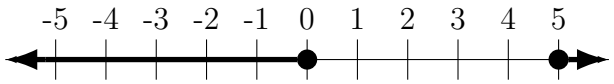
$$9.8x^2 - 249.9 < 0$$

A. $x = -9.3$
B. $x = -5.3$
C. $x = 4.9$
D. $x = 5.4$

Select the set of inequalities which match the number line.

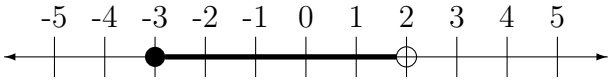
(10) ☐

A. $x > 0$ and $x \leq 5$
B. $x \leq 0$ or $x > 5$
C. $x < 0$ or $x \geq 5$
D. $x \leq 0$ or $x \geq 5$



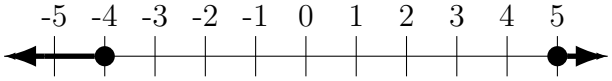
(11) ☐

A. $x \geq -3$ and $x < 2$
B. $x \leq -3$ or $x > 2$
C. $x < -3$ or $x \geq 2$
D. $x \leq -3$ or $x \geq 2$



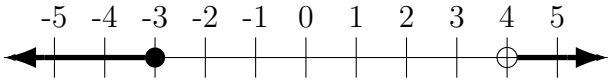
(12) ☐

A. $x > -4$ and $x \leq 5$
B. $x \geq -4$ and $x \leq 5$
C. $x < -4$ or $x > 5$
D. $x \leq -4$ or $x \geq 5$



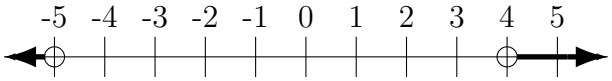
(13) ☐

A. $x > -3$ and $x \leq 4$
B. $x < -3$ or $x > 4$
C. $x \leq -3$ or $x > 4$
D. $x \leq -3$ or $x \geq 4$



(14) ☐

A. $x > -5$ and $x \leq 4$
B. $x \geq -5$ and $x \leq 4$
C. $x < -5$ or $x > 4$
D. $x \leq -5$ or $x > 4$



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Inequalities

Version 19

Match the text to the math symbols.

(1) ☐ a is not equal to b

(2) ☐ a is less than or equal to b

(3) ☐ a is less than b

(4) ☐ a is greater than or equal to b

(5) ☐ a is greater than b

(A) $a \ni b$

(B) $a < b$

(C) $a \leq b$

(D) $a > b$

(E) $a \neq b$

(F) $a \geq b$

(G) $a \in b$

(H) $a \approx b$

---

(6) ☐ Little league players must be at least 9 years old and no more than 12 years old. If x is the age of a little league player, then:

A. $x > 9$ and $x < 12$
B. $x \ni 9$ and $x \in 12$
C. $x > 9$ and $x \leq 12$
D. $x \geq 9$ and $x \leq 12$

(7) ☐ If $a < b$ and $b > c$, then:

A. $a < c$
B. $a > c$
C. $a = c$
D. we can say nothing about a and c

(8) ☐ Solve for x when

$$9x - 4 > -4$$

A. $x \leq 0$
B. $x < 0$
C. $x \geq 0$
D. $x > 0$

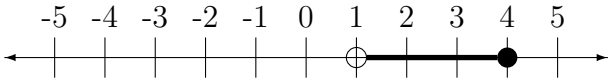
(9) ☐ Select x to satisfy

$$4.6x^2 - 34.96x + 60.26 < 0$$

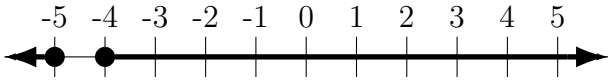
A. $x = -5.3$
B. $x = 1.6$
C. $x = 3.1$
D. $x = 5.9$

Select the set of inequalities which match the number line.

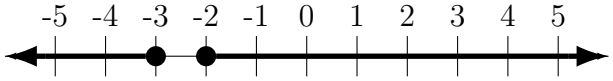
(10) ☐
A. $x \geq 1$ and $x < 4$
B. $x > 1$ and $x \leq 4$
C. $x \geq 1$ and $x \leq 4$
D. $x \leq 1$ or $x > 4$



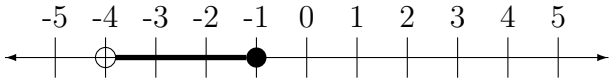
(11) ☐
A. $x > -5$ and $x < -4$
B. $x \geq -5$ and $x < -4$
C. $x > -5$ and $x \leq -4$
D. $x \leq -5$ or $x \geq -4$



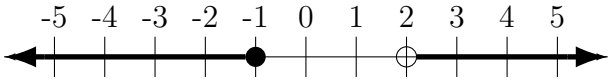
(12) ☐
A. $x \geq -3$ and $x < -2$
B. $x > -3$ and $x \leq -2$
C. $x < -3$ or $x \geq -2$
D. $x \leq -3$ or $x \geq -2$



(13) ☐
A. $x > -4$ and $x \leq -1$
B. $x \geq -4$ and $x \leq -1$
C. $x \leq -4$ or $x > -1$
D. $x < -4$ or $x \geq -1$



(14) ☐
A. $x > -1$ and $x \leq 2$
B. $x < -1$ or $x > 2$
C. $x \leq -1$ or $x > 2$
D. $x \leq -1$ or $x \geq 2$



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Inequalities

Version 20

Match the text to the math symbols.

(1) ☐ a is not equal to b

(2) ☐ a is greater than or equal to b

(3) ☐ a is less than b

(4) ☐ a is greater than b

(5) ☐ a is less than or equal to b

(A) $a \leq b$

(B) $a < b$

(C) $a \ni b$

(D) $a \neq b$

(E) $a \approx b$

(F) $a \in b$

(G) $a \geq b$

(H) $a > b$

---

(6) ☐ Little league players must be at least 9 years old and no more than 12 years old. If x is the age of a little league player, then:

A. $x \ni 9$ and $x \in 12$
B. $x > 9$ and $x < 12$
C. $x \geq 9$ and $x \leq 12$
D. $x \geq 9$ and $x < 12$

(7) ☐ If $a < b$ and $b < c$, then:

A. $a < c$
B. $a > c$
C. $a = c$
D. we can say nothing about a and c

(8) ☐ Solve for x when

$$-9x - 5 \leq -5$$

A. $x > 0$
B. $x < 0$
C. $x \leq 0$
D. $x \geq 0$

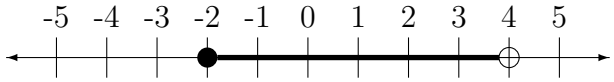
(9) ☐ Select x to satisfy

$$-8.6x^2 - 98.04x + 319.06 < 0$$

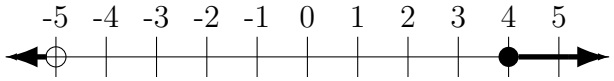
A. $x = -7$
B. $x = -4.6$
C. $x = 0.1$
D. $x = 6.7$

Select the set of inequalities which match the number line.

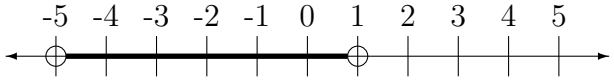
(10) ☐
A. $x \geq -2$ and $x < 4$
B. $x > -2$ and $x \leq 4$
C. $x \geq -2$ and $x \leq 4$
D. $x < -2$ or $x > 4$



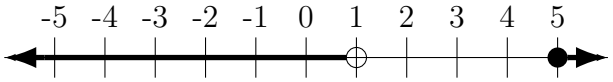
(11) ☐
A. $x > -5$ and $x < 4$
B. $x \geq -5$ and $x < 4$
C. $x < -5$ or $x \geq 4$
D. $x \leq -5$ or $x \geq 4$



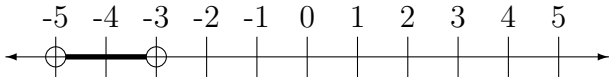
(12) ☐
A. $x > -5$ and $x < 1$
B. $x \leq -5$ or $x > 1$
C. $x < -5$ or $x \geq 1$
D. $x \leq -5$ or $x \geq 1$



(13) ☐
A. $x > 1$ and $x \leq 5$
B. $x \geq 1$ and $x \leq 5$
C. $x < 1$ or $x > 5$
D. $x < 1$ or $x \geq 5$



(14) ☐
A. $x > -5$ and $x < -3$
B. $x \geq -5$ and $x < -3$
C. $x \leq -5$ or $x > -3$
D. $x \leq -5$ or $x \geq -3$



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Inequalities

Version 21

Match the text to the math symbols.

(1) ☐ a is not equal to b

(2) ☐ a is less than b

(3) ☐ a is greater than b

(4) ☐ a is greater than or equal to b

(5) ☐ a is less than or equal to b

(A) $a \in b$

(B) $a \leq b$

(C) $a > b$

(D) $a \approx b$

(E) $a \neq b$

(F) $a < b$

(G) $a \geq b$

(H) $a \ni b$

---

(6) ☐ Little league players must be at least 9 years old and no more than 12 years old. If x is the age of a little league player, then:

A. $x < 9$ or $x > 12$
B. $x \geq 9$ and $x \leq 12$
C. $x \geq 9$ and $x < 12$
D. $x > 9$ and $x < 12$

(7) ☐ If $a > b$ and $b > c$, then:

A. $a < c$
B. $a > c$
C. $a = c$
D. we can say nothing about a and c

(8) ☐ Solve for x when

$$5x + 9 < 24$$

A. $x \geq 3$
B. $x > 3$
C. $x < 3$
D. $x \leq 3$

(9) ☐ Select x to satisfy

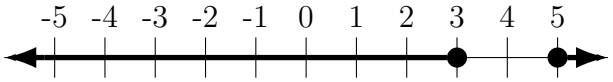
$$6.7x^2 + 64.99x + 109.88 < 0$$

A. $x = -8.1$
B. $x = -6.9$
C. $x = 3.9$
D. $x = 5.6$

Select the set of inequalities which match the number line.

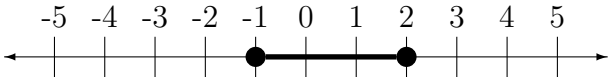
(10) ☐

A. $x > 3$ and $x \leq 5$
B. $x \geq 3$ and $x \leq 5$
C. $x \leq 3$ or $x > 5$
D. $x \leq 3$ or $x \geq 5$



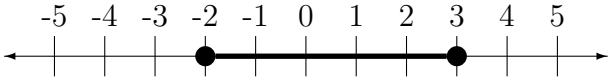
(11) ☐

A. $x \geq -1$ and $x < 2$
B. $x \geq -1$ and $x \leq 2$
C. $x < -1$ or $x > 2$
D. $x \leq -1$ or $x > 2$



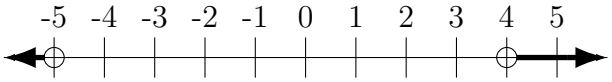
(12) ☐

A. $x > -2$ and $x \leq 3$
B. $x \geq -2$ and $x \leq 3$
C. $x < -2$ or $x > 3$
D. $x \leq -2$ or $x \geq 3$



(13) ☐

A. $x > -5$ and $x < 4$
B. $x \geq -5$ and $x < 4$
C. $x \geq -5$ and $x \leq 4$
D. $x < -5$ or $x > 4$



(14) ☐

A. $x \geq 4$ and $x < 5$
B. $x > 4$ and $x \leq 5$
C. $x \geq 4$ and $x \leq 5$
D. $x \leq 4$ or $x \geq 5$

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Batch 4eb007e9

Inequalities

Version 22

Match the text to the math symbols.

(1) ☐ a is less than or equal to b

(2) ☐ a is not equal to b

(3) ☐ a is greater than b

(4) ☐ a is greater than or equal to b

(5) ☐ a is less than b

(A) $a \approx b$

(B) $a < b$

(C) $a \leq b$

(D) $a \in b$

(E) $a \neq b$

(F) $a > b$

(G) $a \ni b$

(H) $a \geq b$

---

(6) ☐ Little league players must be at least 9 years old and no more than 12 years old. If x is the age of a little league player, then:

A. $x \ni 9$ and $x \in 12$
B. $x \geq 9$ and $x < 12$
C. $x \geq 9$ and $x \leq 12$
D. $x < 9$ or $x > 12$

(7) ☐ If $a > b$ and $b > c$, then:

A. $a < c$
B. $a > c$
C. $a = c$
D. we can say nothing about a and c

(8) ☐ Solve for x when

$$2x - 6 > 2$$

A. $x < 4$
B. $x > 4$
C. $x \geq 4$
D. $x \leq 4$

(9) ☐ Select x to satisfy

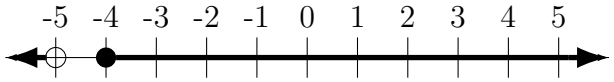
$$4.4x^2 + 1.32x - 170.72 > 0$$

A. $x = -6.9$
B. $x = -1.8$
C. $x = 1.3$
D. $x = 5.9$

Select the set of inequalities which match the number line.

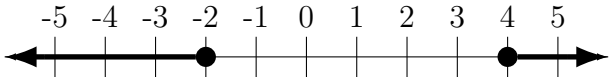
(10) ☐

A. $x > -5$ and $x < -4$
B. $x < -5$ or $x > -4$
C. $x < -5$ or $x \geq -4$
D. $x \leq -5$ or $x \geq -4$



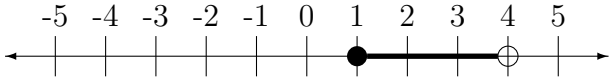
(11) ☐

A. $x \geq -2$ and $x \leq 4$
B. $x < -2$ or $x > 4$
C. $x \leq -2$ or $x > 4$
D. $x \leq -2$ or $x \geq 4$



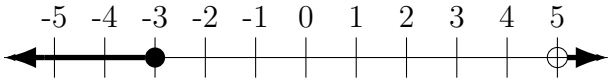
(12) ☐

A. $x > 1$ and $x < 4$
B. $x \geq 1$ and $x < 4$
C. $x \geq 1$ and $x \leq 4$
D. $x \leq 1$ or $x \geq 4$



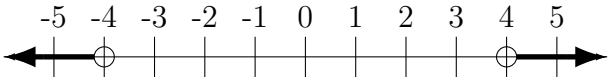
(13) ☐

A. $x > -3$ and $x \leq 5$
B. $x \leq -3$ or $x > 5$
C. $x < -3$ or $x \geq 5$
D. $x \leq -3$ or $x \geq 5$



(14) ☐

A. $x > -4$ and $x < 4$
B. $x \geq -4$ and $x < 4$
C. $x < -4$ or $x > 4$
D. $x < -4$ or $x \geq 4$



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Inequalities

Version 23

Match the text to the math symbols.

(1) ☐ a is less than or equal to b

(2) ☐ a is not equal to b

(3) ☐ a is greater than or equal to b

(4) ☐ a is greater than b

(5) ☐ a is less than b

(A) $a \approx b$

(B) $a \ni b$

(C) $a \neq b$

(D) $a > b$

(E) $a < b$

(F) $a \leq b$

(G) $a \in b$

(H) $a \geq b$

---

(6) ☐ Little league players must be at least 9 years old and no more than 12 years old. If x is the age of a little league player, then:

A. $x \ni 9$ and $x \in 12$
B. $x > 9$ and $x \leq 12$
C. $x \geq 9$ and $x \leq 12$
D. $x \geq 9$ and $x < 12$

(7) ☐ If $a > b$ and $b < c$, then:

A. $a < c$
B. $a > c$
C. $a = c$
D. we can say nothing about a and c

(8) ☐ Solve for x when

$$1x + 5 \geq 0$$

A. $x \leq -5$
B. $x \geq -5$
C. $x < -5$
D. $x > -5$

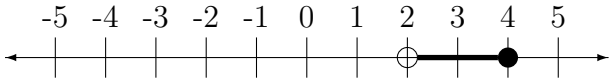
(9) ☐ Select x to satisfy

$$-0.1x^2 - 0.39x + 4.27 < 0$$

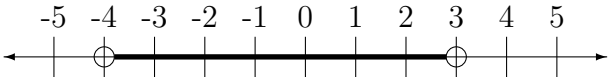
A. $x = -3.2$
B. $x = 1.2$
C. $x = 4.7$
D. $x = 5$

Select the set of inequalities which match the number line.

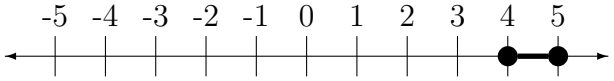
(10) ☐
A. $x > 2$ and $x < 4$
B. $x > 2$ and $x \leq 4$
C. $x \geq 2$ and $x \leq 4$
D. $x < 2$ or $x > 4$



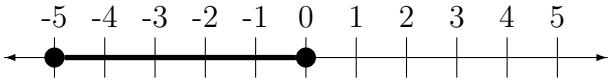
(11) ☐
A. $x > -4$ and $x < 3$
B. $x \geq -4$ and $x < 3$
C. $x > -4$ and $x \leq 3$
D. $x < -4$ or $x > 3$



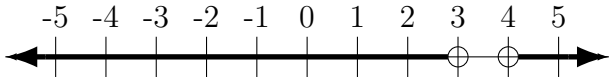
(12) ☐
A. $x > 4$ and $x < 5$
B. $x \geq 4$ and $x \leq 5$
C. $x < 4$ or $x > 5$
D. $x < 4$ or $x \geq 5$



(13) ☐
A. $x \geq -5$ and $x < 0$
B. $x \geq -5$ and $x \leq 0$
C. $x < -5$ or $x > 0$
D. $x \leq -5$ or $x > 0$



(14) ☐
A. $x > 3$ and $x \leq 4$
B. $x \geq 3$ and $x \leq 4$
C. $x < 3$ or $x > 4$
D. $x \leq 3$ or $x \geq 4$



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Inequalities

Version 24

Match the text to the math symbols.

(1) ☐ a is less than b

(2) ☐ a is greater than b

(3) ☐ a is greater than or equal to b

(4) ☐ a is less than or equal to b

(5) ☐ a is not equal to b

(A) $a \neq b$

(B) $a > b$

(C) $a \leq b$

(D) $a \geq b$

(E) $a \in b$

(F) $a \ni b$

(G) $a < b$

(H) $a \approx b$

---

(6) ☐ Little league players must be at least 9 years old and no more than 12 years old. If x is the age of a little league player, then:

A. $x \ni 9$ and $x \in 12$
B. $x \geq 9$ and $x \leq 12$
C. $x < 9$ or $x > 12$
D. $x \geq 9$ and $x < 12$

(7) ☐ If $a > b$ and $b > c$, then:

A. $a < c$
B. $a > c$
C. $a = c$
D. we can say nothing about a and c

(8) ☐ Solve for x when

$$8x - 4 < -20$$

A. $x > -2$
B. $x \geq -2$
C. $x < -2$
D. $x \leq -2$

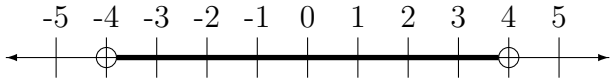
(9) ☐ Select x to satisfy

$$6.7x^2 - 66.33x - 882.39 > 0$$

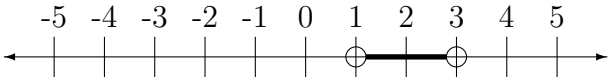
A. $x = -8.1$
B. $x = 0.8$
C. $x = 3.3$
D. $x = 6.1$

Select the set of inequalities which match the number line.

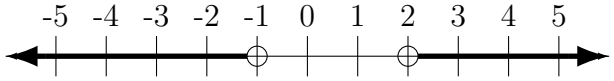
(10) ☐
A. $x > -4$ and $x < 4$
B. $x \geq -4$ and $x < 4$
C. $x \geq -4$ and $x \leq 4$
D. $x < -4$ or $x \geq 4$



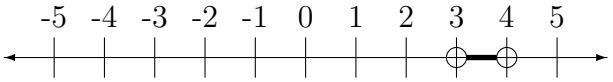
(11) ☐
A. $x > 1$ and $x < 3$
B. $x \geq 1$ and $x < 3$
C. $x > 1$ and $x \leq 3$
D. $x \leq 1$ or $x > 3$



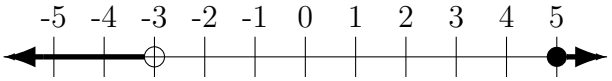
(12) ☐
A. $x > -1$ and $x < 2$
B. $x \geq -1$ and $x \leq 2$
C. $x < -1$ or $x > 2$
D. $x \leq -1$ or $x > 2$



(13) ☐
A. $x > 3$ and $x < 4$
B. $x \geq 3$ and $x < 4$
C. $x > 3$ and $x \leq 4$
D. $x < 3$ or $x > 4$



(14) ☐
A. $x < -3$ or $x > 5$
B. $x \leq -3$ or $x > 5$
C. $x < -3$ or $x \geq 5$
D. $x \leq -3$ or $x \geq 5$



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Inequalities

Version 25

Match the text to the math symbols.

(1) ☐ a is greater than b

(2) ☐ a is not equal to b

(3) ☐ a is less than b

(4) ☐ a is greater than or equal to b

(5) ☐ a is less than or equal to b

(A) $a \approx b$

(B) $a < b$

(C) $a \in b$

(D) $a \leq b$

(E) $a \neq b$

(F) $a > b$

(G) $a \geq b$

(H) $a \ni b$

---

(6) ☐ Little league players must be at least 9 years old and no more than 12 years old. If x is the age of a little league player, then:

A. $x \ni 9$ and $x \in 12$
B. $x \geq 9$ and $x \leq 12$
C. $x \geq 9$ and $x < 12$
D. $x < 9$ or $x > 12$

(7) ☐ If $a < b$ and $b < c$, then:

A. $a < c$
B. $a > c$
C. $a = c$
D. we can say nothing about a and c

(8) ☐ Solve for x when

$$-7x + 8 \leq -48$$

A. $x > 8$
B. $x < 8$
C. $x \leq 8$
D. $x \geq 8$

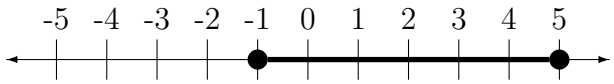
(9) ☐ Select x to satisfy

$$7.2x^2 + 41.04x + 43.2 < 0$$

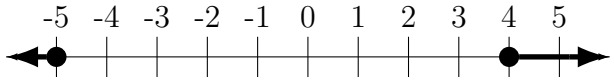
A. $x = -7.7$
B. $x = -2.8$
C. $x = -1$
D. $x = 8$

Select the set of inequalities which match the number line.

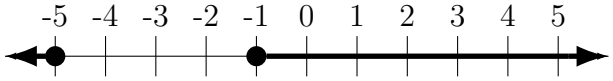
(10) ☐
A. $x > -1$ and $x \leq 5$
B. $x \geq -1$ and $x \leq 5$
C. $x \leq -1$ or $x > 5$
D. $x < -1$ or $x \geq 5$



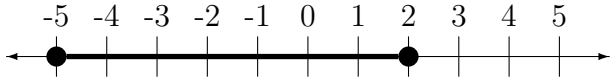
(11) ☐
A. $x > -5$ and $x \leq 4$
B. $x \leq -5$ or $x > 4$
C. $x < -5$ or $x \geq 4$
D. $x \leq -5$ or $x \geq 4$



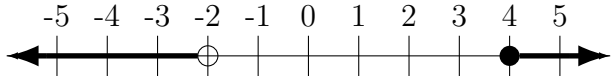
(12) ☐
A. $x \geq -5$ and $x < -1$
B. $x \leq -5$ or $x > -1$
C. $x < -5$ or $x \geq -1$
D. $x \leq -5$ or $x \geq -1$



(13) ☐
A. $x > -5$ and $x \leq 2$
B. $x \geq -5$ and $x \leq 2$
C. $x < -5$ or $x \geq 2$
D. $x \leq -5$ or $x \geq 2$



(14) ☐
A. $x \geq -2$ and $x \leq 4$
B. $x < -2$ or $x > 4$
C. $x \leq -2$ or $x > 4$
D. $x < -2$ or $x \geq 4$



Ver. 1

1	E		
2	G		
3	F		
4	D		
5	B		
6	A	7	D
8	D	9	D
10	B		
11	B		
12	D		
13	C		
14	A		

Ver. 2

1	C		
2	H		
3	G		
4	A		
5	F		
6	C	7	B
8	A	9	A
10	D		
11	B		
12	C		
13	A		
14	B		

Ver. 3

1	G		
2	D		
3	C		
4	A		
5	F		
6	C	7	D
8	A	9	D
10	A		
11	A		
12	D		
13	C		
14	C		

Ver. 4

1	H		
2	A		
3	F		
4	E		
5	B		
6	C	7	A
8	A	9	D
10	B		
11	B		
12	C		
13	C		
14	A		

Ver. 5

1	F		
2	C		
3	E		
4	G		
5	D		
6	C	7	A
8	C	9	C
10	B		
11	A		
12	C		
13	C		
14	C		

Ver. 6

1	F		
2	B		
3	D		
4	C		
5	G		
6	C	7	D
8	D	9	A
10	A		
11	B		
12	C		
13	D		
14	B		

Ver. 7

1	F		
2	G		
3	H		
4	B		
5	A		
6	B	7	D
8	C	9	B
10	D		
11	A		
12	A		
13	D		
14	B		

Ver. 8

1	A		
2	H		
3	G		
4	E		
5	C		
6	A	7	B
8	A	9	D
10	A		
11	D		
12	C		
13	C		
14	B		

Ver. 9

1	B		
2	H		
3	G		
4	D		
5	C		
6	C	7	B
8	A	9	D
10	C		
11	B		
12	A		
13	B		
14	A		

Ver. 10

1	D		
2	E		
3	C		
4	B		
5	H		
6	C	7	B
8	A	9	B
10	C		
11	A		
12	A		
13	A		
14	C		

Ver. 11

1	G		
2	A		
3	B		
4	F		
5	E		
6	A	7	B
8	D	9	A
10	C		
11	A		
12	A		
13	D		
14	D		

Ver. 12

1	B		
2	C		
3	D		
4	F		
5	A		
6	C	7	D
8	B	9	D
10	D		
11	B		
12	D		
13	D		
14	B		

Ver. 13

1	G		
2	H		
3	C		
4	D		
5	B		
6	D	7	B
8	B	9	D
10	B		
11	B		
12	D		
13	C		
14	C		

Ver. 14

1	G		
2	D		
3	F		
4	A		
5	E		
6	A	7	D
8	B	9	B
10	B		
11	C		
12	D		
13	C		
14	B		

Ver. 15

1	A		
2	H		
3	F		
4	E		
5	D		
6	D	7	B
8	B	9	B
10	C		
11	D		
12	B		
13	A		
14	D		

Ver. 16

1	F		
2	B		
3	G		
4	A		
5	E		
6	D	7	A
8	D	9	D
10	A		
11	C		
12	D		
13	D		
14	C		

Ver. 17

1	F		
2	D		
3	B		
4	C		
5	H		
6	B	7	D
8	A	9	B
10	B		
11	C		
12	C		
13	D		
14	C		

Ver. 18

1	E		
2	C		
3	H		
4	B		
5	G		
6	B	7	D
8	D	9	C
10	D		
11	A		
12	D		
13	C		
14	C		

Ver. 19

1	E		
2	C		
3	B		
4	F		
5	D		
6	D	7	D
8	D	9	C
10	B		
11	D		
12	D		
13	A		
14	C		

Ver. 20

1	D		
2	G		
3	B		
4	H		
5	A		
6	C	7	A
8	D	9	D
10	A		
11	C		
12	A		
13	D		
14	A		

Ver. 21

1	E		
2	F		
3	C		
4	G		
5	B		
6	B	7	B
8	C	9	B
10	D		
11	B		
12	B		
13	D		
14	A		

Ver. 22

1	C		
2	E		
3	F		
4	H		
5	B		
6	C	7	B
8	B	9	A
10	C		
11	D		
12	B		
13	B		
14	C		

Ver. 23

1	F		
2	C		
3	H		
4	D		
5	E		
6	C	7	D
8	B	9	D
10	B		
11	A		
12	B		
13	B		
14	C		

Ver. 24

1	G		
2	B		
3	D		
4	C		
5	A		
6	B	7	B
8	C	9	A
10	A		
11	A		
12	C		
13	A		
14	C		

Ver. 25

1	F		
2	E		
3	B		
4	G		
5	D		
6	B	7	A
8	D	9	B
10	B		
11	D		
12	D		
13	B		
14	D		