Name:

Date:

Two Step Inequalities

Draw a graph for each inequality.

1) $3x - 5 \leq 10$

2) $2x + 3 \leq 11$

3) $\frac{3x-12}{5} > 3$

4) $5x + 12 \geq 47$

5) $4x - 8 < 20$

6) $\frac{x+10}{2} \leq 10$

7) $6x + 6 \geq -12$

8) $2x < x - 10$

9) $3x + 10 \geq 4$

10) $2x + 3 > 15$

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QUIZ ?

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Name:

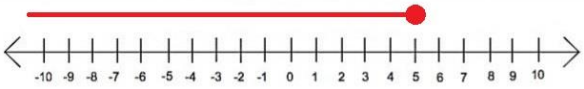
Date:

Two Step Inequalities

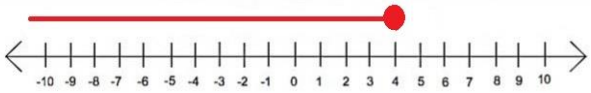
Answers

Draw a graph for each inequality.

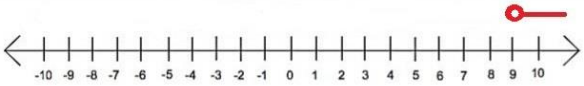
1) $3x - 5 \leq 10 \Rightarrow x \leq 5$



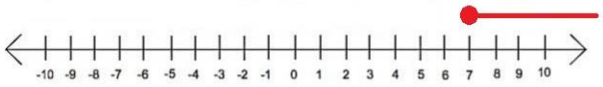
2) $2x + 3 \leq 11 \Rightarrow x \leq 4$



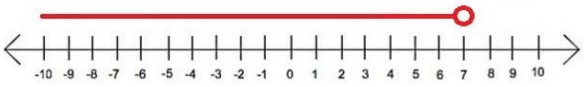
3) $\frac{3x-12}{5} > 3 \Rightarrow x > 9$



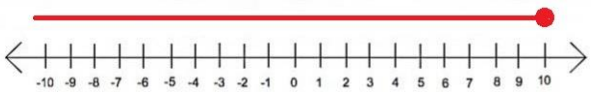
4) $5x + 12 \geq 47 \Rightarrow x \geq 7$



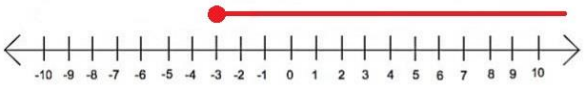
5) $4x - 8 < 20 \Rightarrow x < 7$



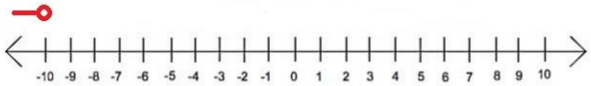
6) $\frac{x+10}{2} \leq 10 \Rightarrow x \leq 10$



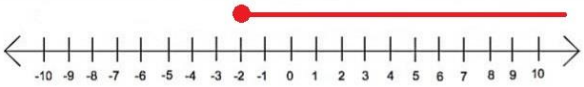
7) $6x + 6 \geq -12 \Rightarrow x \geq -3$



8) $2x < x - 10 \Rightarrow x < -10$



9) $3x + 10 \geq 4 \Rightarrow x \geq -2$



10) $2x + 3 > 15 \Rightarrow x > 6$

