Multi Step Equations

Name:

Date:

Draw a graph for each inequality.

1) $2x + 3 + 5x \geq -5x - 9$

2) $\frac{x+4}{2} < 6$

3) $3(x - 5) \leq -6$

4) $\frac{6x-4}{10} > 2$

5) $2x + 3 - 3x \geq -5x - 13$

6) $6(x + 5) > 36$

7) $2(x + 5) > 22$

8) $-x - 9 + 4x \geq x + 7$

9) $\frac{2x+8}{8} > 2$

10) $\frac{5x+15}{5} > 8$

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Multi Step Equations

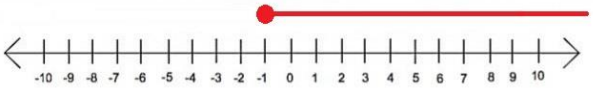
Name:

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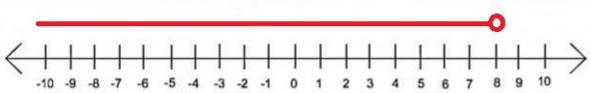
Answers

Draw a graph for each inequality.

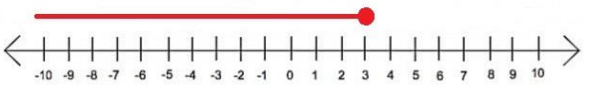
1) $2x + 3 + 5x \geq -5x - 9 \Rightarrow x \geq -1$



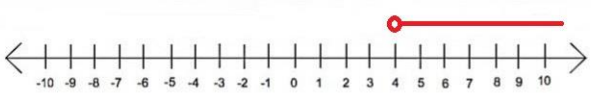
2) $\frac{x+4}{2} < 6 \Rightarrow x < 8$



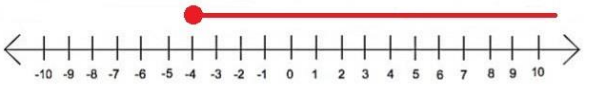
3) $3(x - 5) \leq -6 \Rightarrow x \leq 3$



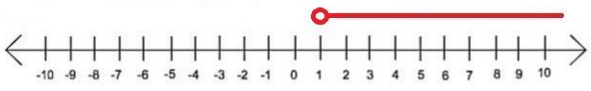
4) $\frac{6x-4}{10} > 2 \Rightarrow x > 4$



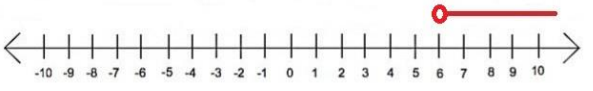
5) $2x + 3 - 3x \geq -5x - 13 \Rightarrow x \geq -4$



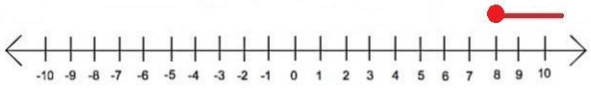
6) $6(x + 5) > 36 \Rightarrow x > 1$



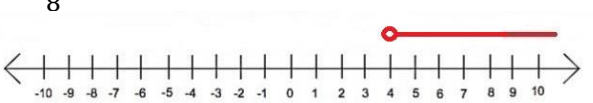
7) $2(x + 5) > 22 \Rightarrow x > 6$



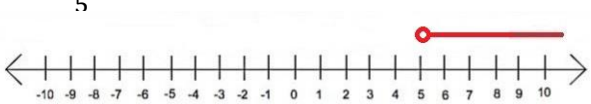
8) $-x - 9 + 4x \geq x + 7 \Rightarrow x \geq 8$



9) $\frac{2x+8}{8} > 2 \Rightarrow x > 4$



10) $\frac{5x+15}{5} > 8 \Rightarrow x > 5$



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