Two-Step Inequalities

Choose the inequality that best describes each graph.

1)

a) $5x - 4 > 31$ b) $5x - 4 \geq 31$

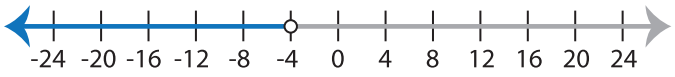
c) $5x - 31 < 4$ d) $5x - 4 \leq 31$

2)

a) $\frac{x}{3} + 11 > 8$ b) $\frac{x}{3} + 11 < 8$

c) $\frac{x}{3} + 8 < 11$ d) $\frac{x}{3} + 8 > 11$

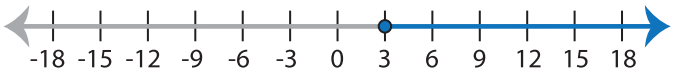
3)



a) $31 + 6x \geq 7$ b) $7 + 6x > 31$

c) $31 + 6x < 7$ d) $31 + 6x \leq 7$

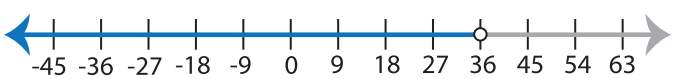
4)



a) $10x - 9 > 21$ b) $10x - 9 \geq 21$

c) $9x - 21 < 10$ d) $9x - 21 \leq 10$

5)



a) $\frac{x}{4} - 2 \leq 6$ b) $\frac{x}{6} - 4 < 2$

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

6)

a) $3x + 12 < 15$ b) $3x + 15 \geq 12$

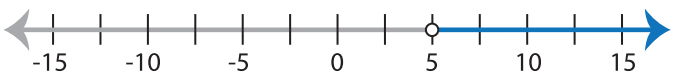
c) $3x + 15 \leq 12$ d) $3x + 12 > 15$

7)

a) $25 + 4x \geq 1$ b) $25 + 4x < 1$

c) $1 + 4x \geq 25$ d) $25 + 4x > 1$

8)



a) $\frac{x+1}{7} < 2$ b) $\frac{x+1}{7} \leq 2$

c) $\frac{x+2}{7} \geq 1$ d) $\frac{x+2}{7} > 1$