

Identifying Inequalities

MS4

Choose the correct inequality that best describes each graph.

1)



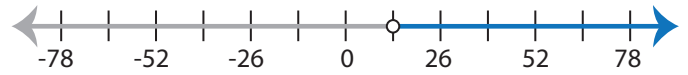
a) $\frac{x}{5} - 8 < 2$

b) $2 \geq \frac{x}{5} - 8$

c) $\frac{x}{5} - 8 > 2$

d) $2 \leq \frac{x}{5} - 8$

2)



a) $4x + 39 < x$

b) $4x + 39 > x$

c) $x + 39 < 4x$

d) $x + 39 > 4x$

3)



a) $-5x - 7 > 3$

c) $-5x - 7 \geq 3$

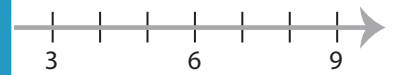
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b) $-6x + 21 \leq 9$

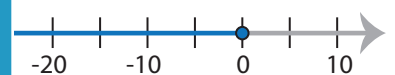
d) $-6x + 9 < 21$

5)



a) $-8x \leq -3x + 20$

c) $-8x < -3x + 20$



b) $\frac{x-2}{3} > -2$

d) $\frac{x+6}{3} \leq 2$

7)



a) $5 < \frac{x}{7} - 3$

b) $5 > \frac{x}{7} + 3$

c) $3 > \frac{x}{7} - 5$

d) $3 < \frac{x}{7} + 5$

8)



a) $2x - 8 < -10$

b) $2x + 10 < -8$

c) $2x + 10 > -8$

d) $2x - 8 > -10$

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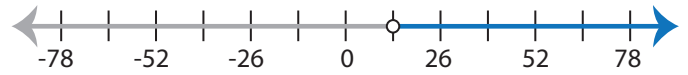
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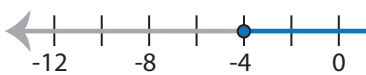
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