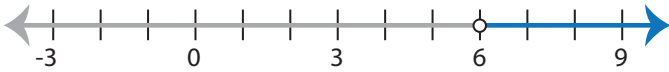


Identifying Inequalities

MS3

Choose the correct inequality that best describes each graph.

1)



a) $11 > 8 + \frac{x}{2}$

b) $\frac{x}{2} + 11 > 8$

c) $\frac{x}{2} + 11 < 8$

d) $11 < 8 + \frac{x}{2}$

2)



a) $2x \leq 5x + 30$

b) $5x \leq 2x + 30$

c) $2x \geq 5x + 30$

d) $5x \geq 2x + 30$

3)



a) $-7 < 3x + 5$

c) $5 > 3x - 7$

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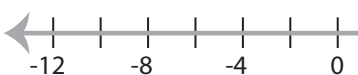
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b) $7 \geq \frac{x-4}{2}$

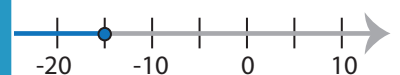
d) $7 \leq \frac{x-4}{2}$

5)



a) $-6x + 40 < -x$

c) $-6x - 40 > -x$



b) $-25 \geq 3x + 20$

d) $-25 \leq 3x + 20$

7)



a) $6 < \frac{x}{3} + 4$

b) $4 > \frac{x}{3} + 6$

c) $4 < \frac{x}{3} + 6$

d) $6 > \frac{x}{3} + 4$

8)



a) $-5x - 6 < 19$

b) $-5x - 6 > 19$

c) $-6 < -5x + 19$

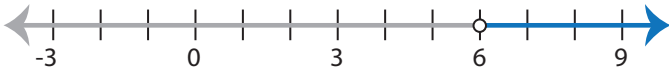
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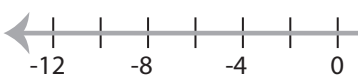
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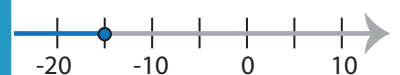
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