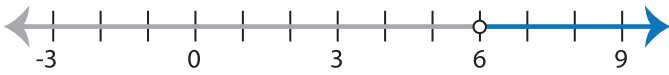


# Identifying Inequalities

MS3

Choose the correct inequality that best describes each graph.

1)



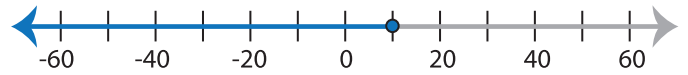
a)  $11 > 8 + \frac{x}{2}$

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)  $5 > 3x - 7$

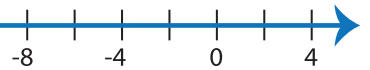
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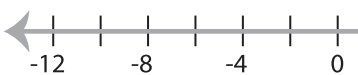
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b)  $7 \geq \frac{x-4}{2}$

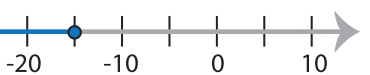
d)  $7 \leq \frac{x-4}{2}$

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)  $-6 < -5x + 19$

d)  $-6 > -5x + 19$