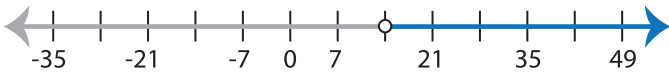


## Identifying Inequalities

MS1

Choose the correct inequality that best describes each graph.

1)



a)  $\frac{2x}{7} + x \geq 18$

b)  $18 < x + \frac{2x}{7}$

c)  $18 > x + \frac{2x}{7}$

d)  $\frac{2x}{7} + x \leq 18$

2)



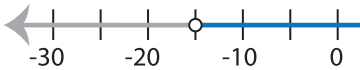
a)  $-25 \geq 5(4x + 3)$

b)  $5(4x + 3) < -25$

c)  $5(4x + 3) > -25$

d)  $-25 \leq 5(4x + 3)$

3)



a)  $\frac{19x}{5} - x \geq 42$

c)  $42 > x - \frac{19x}{5}$

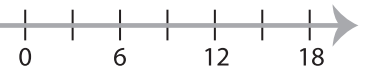
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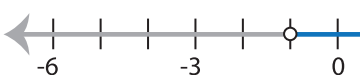
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b)  $15(8x + 19) < -75$

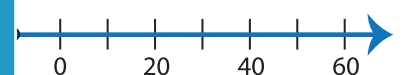
d)  $-75 \leq 15(8x + 19)$

5)



a)  $30 > 5(8x - 2)$

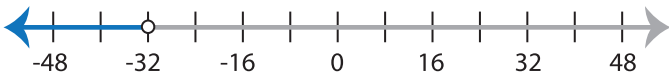
c)  $-30 < 5(8x + 2)$



b)  $\frac{3x - 6}{4} > -9$

d)  $-9 \geq \frac{3x - 6}{4}$

7)



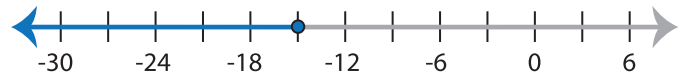
a)  $-12 < x - \frac{5x}{8}$

b)  $\frac{5x}{8} - x < -12$

c)  $\frac{5x}{8} - x > -12$

d)  $-12 > x - \frac{5x}{8}$

8)



a)  $-8 \leq \frac{6x + 2}{11}$

b)  $-8 \geq \frac{6x + 2}{11}$

c)  $\frac{6x + 2}{11} > -8$

d)  $\frac{6x + 2}{11} < -8$