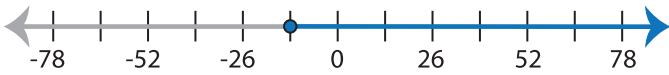


## Identifying Inequalities

MS2

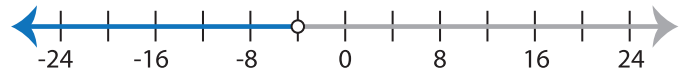
Choose the correct inequality that best describes each graph.

1)



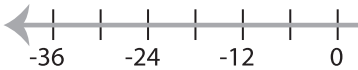
- a)  $-6 \leq \frac{2x-4}{5}$       b)  $\frac{2x-4}{5} > -6$   
 c)  $\frac{2x-4}{5} < -6$       d)  $-6 \geq \frac{2x-4}{5}$

2)



- a)  $-11 - x < \frac{3x}{2} - 1$       b)  $1 + \frac{3x}{2} < 11 + x$   
 c)  $1 + \frac{3x}{2} > 11 + x$       d)  $-11 - x > \frac{3x}{2} - 1$

3)



- a)  $\frac{8x}{3} + x \geq 22$   
 c)  $22 > x + \frac{8x}{3}$

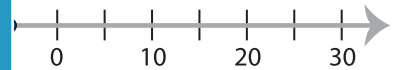
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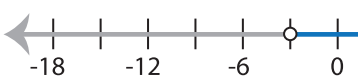
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- b)  $9(4x + 15) < -45$   
 d)  $-45 \leq 9(4x + 15)$

5)

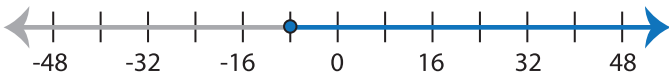


- a)  $2(5x + 1) \leq -28$   
 c)  $-28 < 2(5x + 1)$



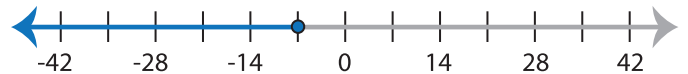
- b)  $3 < x - \frac{10x}{9}$   
 d)  $\frac{10x}{9} - x \leq 3$

7)



- a)  $-14 \geq \frac{3x}{4} + x$       b)  $\frac{3x}{4} + x < -14$   
 c)  $\frac{3x}{4} + x > -14$       d)  $-14 \leq \frac{3x}{4} + x$

8)



- a)  $-7 \leq \frac{9x+21}{6}$       b)  $-7 \geq \frac{9x+21}{6}$   
 c)  $\frac{9x+21}{6} > -7$       d)  $\frac{9x+21}{6} < -7$