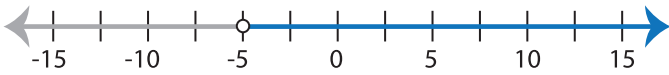


## Identifying Inequalities

ES1

Choose the correct inequality that best describes each graph.

1)



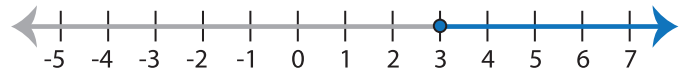
a)  $x \leq 1 + \frac{6x}{5}$

b)  $1 + \frac{6x}{5} > x$

c)  $1 + \frac{6x}{5} < x$

d)  $x \geq 1 + \frac{6x}{5}$

2)



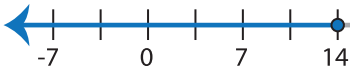
a)  $15 < 3(4x - 7)$

b)  $3(4x - 7) \leq 15$

c)  $3(4x - 7) \geq 15$

d)  $15 > 3(4x - 7)$

3)



a)  $\frac{3x}{2} - x \leq 7$

c)  $7 > \frac{3x}{2} - x$

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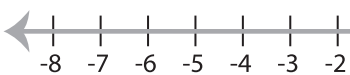
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b)  $2 \leq \frac{9x - 14}{11}$

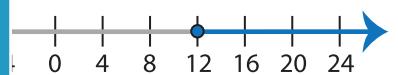
d)  $\frac{9x - 14}{11} > 2$

5)



a)  $25 \geq 5(2x + 3)$

c)  $5(2x + 3) > 25$



b)  $22 < x + \frac{5x}{6}$

d)  $\frac{5x}{6} + x \leq 22$

7)



a)  $\frac{7x + 9}{5} > 6$

b)  $6 \geq \frac{7x + 9}{5}$

c)  $6 \leq \frac{7x + 9}{5}$

d)  $\frac{7x + 9}{5} < 6$

8)



a)  $9 > x - \frac{10x}{7}$

b)  $\frac{10x}{7} - x \geq 9$

c)  $\frac{10x}{7} - x \leq 9$

d)  $9 < x - \frac{10x}{7}$