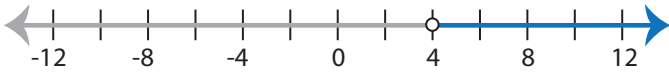


Identifying Inequalities

ES3

Choose the correct inequality that best describes each graph.

1)



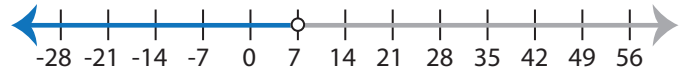
a) $\frac{9x-8}{2} > 14$

b) $14 \leq \frac{9x-8}{2}$

c) $14 \geq \frac{9x-8}{2}$

d) $\frac{9x-8}{2} < 14$

2)



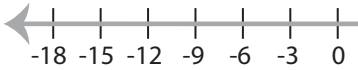
a) $49 \leq 7(3x-14)$

b) $7(3x-14) > 49$

c) $7(3x-14) < 49$

d) $49 \geq 7(3x-14)$

3)



a) $4(6x-12) \leq 24$

c) $24 < 4(6x-12)$

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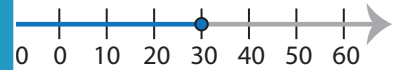
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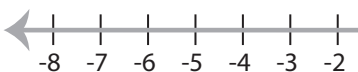
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b) $x - \frac{3x}{5} \leq 12$

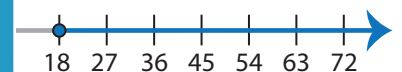
d) $12 > x - \frac{3x}{5}$

5)



a) $63 \geq 7(8x+1)$

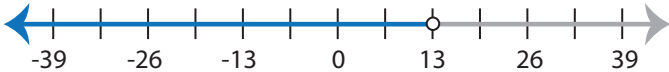
c) $7(8x+1) > 63$



b) $28 < x + \frac{5x}{9}$

d) $\frac{5x}{9} + x \leq 28$

7)



a) $\frac{2x+4}{10} > 3$

b) $3 \geq \frac{2x+4}{10}$

c) $3 \leq \frac{2x+4}{10}$

d) $\frac{2x+4}{10} < 3$

8)



a) $13 > x - \frac{15x}{2}$

b) $\frac{15x}{2} - x \leq 13$

c) $\frac{15x}{2} - x \geq 13$

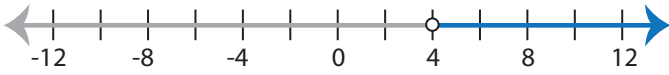
d) $13 < x - \frac{15x}{2}$

Identifying Inequalities

ES3

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1)



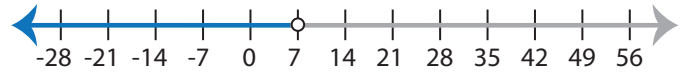
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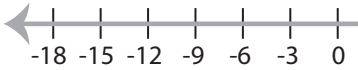
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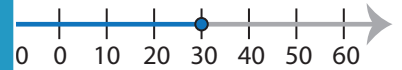
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b) $x - \frac{3x}{5} \leq 12$

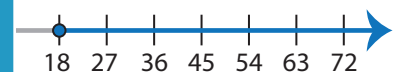
d) $12 > x - \frac{3x}{5}$

5)



a) $63 \geq 7(8x+1)$

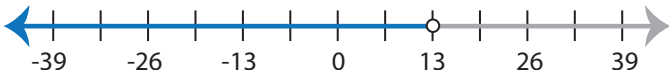
c) $7(8x+1) > 63$



b) $28 < x + \frac{5x}{9}$

d) $\frac{5x}{9} + x \leq 28$

7)



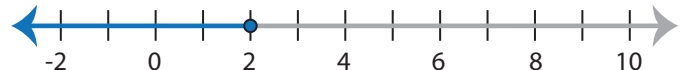
a) $\frac{2x+4}{10} > 3$

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8)



a) $13 > x - \frac{15x}{2}$

b) $\frac{15x}{2} - x \leq 13$

c) $\frac{15x}{2} - x \geq 13$

d) $13 < x - \frac{15x}{2}$