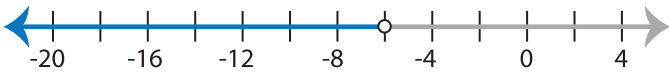


Identifying Inequalities

MS2

Choose the correct inequality that best describes each graph.

1)



- a) $-4x - 11 < 13$ b) $-4x - 11 > 13$
 c) $-11 > -4x + 13$ d) $-11 < -4x + 13$

2)



- a) $\frac{x}{5} + 3 \leq 6$ b) $3 \geq \frac{x}{5} + 6$
 c) $3 \leq \frac{x}{5} + 6$ d) $\frac{x}{5} + 3 \geq 6$

3)



- a) $-3 \geq \frac{x+4}{2}$
 c) $\frac{x-4}{2} \leq 3$

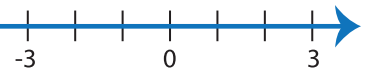
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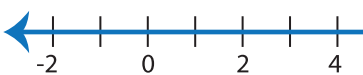
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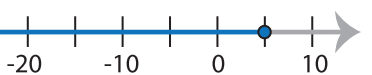


- b) $-5x + 14 \geq -7x$
 d) $-5x + 14 > -7x$

5)

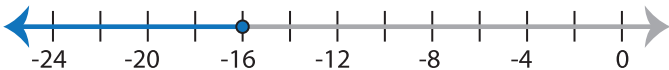


- a) $17 \geq 3x - 10$
 c) $3x - 17 > 10$



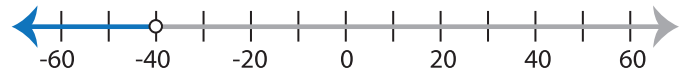
- b) $4 \leq -4x - 16$
 d) $16 \leq 4x - 4$

7)



- a) $3x \leq x - 32$ b) $3x \geq x - 32$
 c) $3x \geq x + 32$ d) $3x \leq x + 32$

8)



- a) $\frac{x}{4} + 15 > 5$ b) $15 > 5 + \frac{x}{4}$
 c) $15 < 5 + \frac{x}{4}$ d) $\frac{x}{4} + 15 < 5$