

➤ **RECALL: Solving Inequalities**

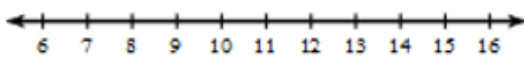
❖ Solve like an \_\_\_\_\_

- Switch sides of the inequality and the symbol if the variable is on the \_\_\_\_\_
- If you \_\_\_\_\_ or \_\_\_\_\_ by a \_\_\_\_\_ number, switch the inequality symbol's \_\_\_\_\_

• Solve and graph the inequality.

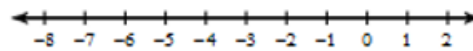
1.  $a - (-5) \leq 12$

\_\_\_\_\_



2.  $-7 \leq m - 8$

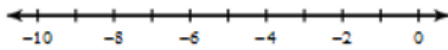
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3.  $-4 > \frac{x}{2}$

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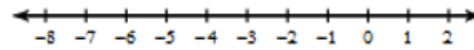
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4.  $18 \geq -3x$

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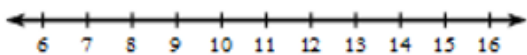
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❖ What about \_\_\_\_\_ inequalities? **SHOW ALL STEPS NECESSARY TO SOLVE.**

5.  $2x - 7 > 13$

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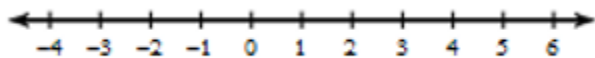
6.  $\frac{x}{3} + 8 \leq 10$

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7.  $12 > 4x - 8$

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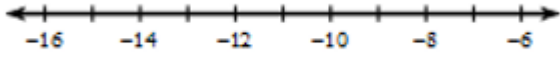
8.  $-16 - \frac{x}{4} \geq 6$

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9.  $-4 > \frac{x}{3} - 1$  \_\_\_\_\_

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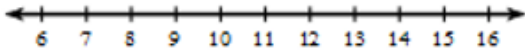
10.  $3(x - 2) \geq 12$  \_\_\_\_\_

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11.  $6x - 8 < 5x + 3$

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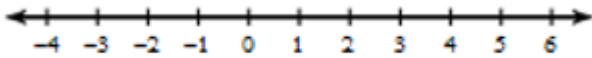
12.  $4x + 10 \geq 6x - 4$

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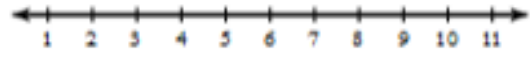
13.  $-4(x + 1) < 8$

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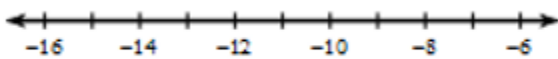
14.  $-7x - 5 > -10x + 7$

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15.  $-\frac{x}{5} + 12 \geq 15$

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16.  $8 - \frac{x}{3} < 10$

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