

**Solving Two-Step Inequalities**

MS2

Solve each inequality.

1)  $11 > 6 + \frac{x}{2}$

2)  $2x - 4 \geq 8x$

3)  $6 < 3x + 15$

4)  $14 \leq 3x + 2$

$1 > 4 + \frac{x}{5}$

7)  $7x - 12 < 9$

$2x + 21 \geq 9$

10)  $1 \leq \frac{x-9}{2}$

11)  $7x \geq 5x - 10$

12)  $6x - 4 < 12$

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**Solving Two-Step Inequalities**

MS2

Solve each inequality.

1)  $11 > 6 + \frac{x}{2}$

$x < 10$

2)  $2x - 4 \geq 8x$

$x \leq -\frac{2}{3}$

3)  $6 < 3x + 15$

$x > -3$

4)  $14 \leq 3x + 2$

$x \geq 4$

$1 > 4 + \frac{x}{5}$

$x < -15$

7)  $7x - 12 < 9$

$x < 3$

$2x + 21 \geq 9$

$x \geq -6$

10)  $1 \leq \frac{x-9}{2}$

$x \geq 11$

11)  $7x \geq 5x - 10$

$x \geq -5$

12)  $6x - 4 < 12$

$x < \frac{8}{3}$

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