

**Solving Two-Step Inequalities**

MS5

Solve each inequality.

1)  $5x + 10 < 3$

2)  $\frac{x-5}{7} > 2$

3)  $25 > 9x - 11$

4)  $3 \geq 7 + \frac{x}{8}$

$7x > 3x - 14$

7)  $9 \leq 10 + 7x$

$6x - 1 \leq 17$

10)  $4 < \frac{x-9}{2}$

11)  $2x - 7 \geq 9x$

12)  $12 \geq 8x + 4$

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**Solving Two-Step Inequalities**

MS5

Solve each inequality.

1)  $5x + 10 < 3$

$x < -\frac{7}{5}$

2)  $\frac{x-5}{7} > 2$

$x > 19$

3)  $25 > 9x - 11$

$x < 4$

4)  $3 \geq 7 + \frac{x}{8}$

$x \leq -32$

$7x > 3x - 14$

$x > -\frac{7}{2}$

7)  $9 \leq 10 + 7x$

$x \geq -\frac{1}{7}$

$6x - 1 \leq 17$

$x \leq 3$

10)  $4 < \frac{x-9}{2}$

$x > 17$

11)  $2x - 7 \geq 9x$

$x \leq -1$

12)  $12 \geq 8x + 4$

$x \leq 1$

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