

**Solving Two-Step Inequalities**

MS4

Solve each inequality.

1)  $7x - 5 \leq 23$

2)  $9x \geq 6x + 12$

3)  $2 < \frac{x - 10}{3}$

4)  $8x + 13 < 9$

$3x + 22 > 10$

7)  $3 \geq 4 + \frac{x}{9}$

$3 < 4x + 15$

10)  $7 \leq 5x + 3$

11)  $6x - 5 > x$

12)  $7 \geq \frac{x}{3} + 9$

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**Solving Two-Step Inequalities**

MS4

Solve each inequality.

1)  $7x - 5 \leq 23$

$x \leq 4$

2)  $9x \geq 6x + 12$

$x \geq 4$

3)  $2 < \frac{x - 10}{3}$

$x > 16$

4)  $8x + 13 < 9$

$x < -\frac{1}{2}$

$3x + 22 > 10$

$x > -4$

7)  $3 \geq 4 + \frac{x}{9}$

$x \leq -9$

$3 < 4x + 15$

$x > -3$

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10)  $7 \leq 5x + 3$

$x \geq \frac{4}{5}$

11)  $6x - 5 > x$

$x > 1$

12)  $7 \geq \frac{x}{3} + 9$

$x \leq -6$