

Solving Two-Step Inequalities

MS3

Solve each inequality.

1) $3x - 4 \geq 11x$

2) $1 > 5 + \frac{x}{4}$

3) $6x - 3 > 9$

4) $1 \leq 7x + 22$

$3 > \frac{x-8}{6}$

7) $3x + 9 > 7$

$3x - 2 \geq 16$

10) $7x - 10 < 25$

11) $5x > 2x + 21$

12) $6 \leq \frac{x-1}{4}$

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Solving Two-Step Inequalities

MS3

Solve each inequality.

1) $3x - 4 \geq 11x$

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

2) $1 > 5 + \frac{x}{4}$

$x < -16$

3) $6x - 3 > 9$

$x > 2$

4) $1 \leq 7x + 22$

$x \geq -3$

$3 > \frac{x-8}{6}$

$x < 26$

7) $3x + 9 > 7$

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

$3x - 2 \geq 16$

$x \geq 6$

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10) $7x - 10 < 25$

$x < 5$

11) $5x > 2x + 21$

$x > 7$

12) $6 \leq \frac{x-1}{4}$

$x \geq 25$