

Solving Two-Step Inequalities

DS2

Solve each inequality.

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

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

3) $7x - 6 \leq 8$

4) $16 < -5x - 9$

$-1 \leq \frac{x-5}{9}$

7) $8x + 5 \leq -19$

$-14x \geq -7x + 2$

10) $-3 \leq \frac{x-4}{6}$

11) $-9x - 11 < 7$

12) $5x + 12 \geq -7x$

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DS2

Solve each inequality.

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

$x \leq -\frac{1}{5}$

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

$x < -10$

3) $7x - 6 \leq 8$

$x \leq 2$

4) $16 < -5x - 9$

$x < -5$

$-1 \leq \frac{x-5}{9}$

$x \geq -4$

7) $8x + 5 \leq -19$

$x \leq -3$

$-14x \geq -7x + 2$

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

10) $-3 \leq \frac{x-4}{6}$

$x \geq -14$

11) $-9x - 11 < 7$

$x > -2$

12) $5x + 12 \geq -7x$

$x \geq -1$

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