

Solving Two-Step Inequalities

DS4

Solve each inequality.

1) $4x - 8 \leq -16$

2) $9 \leq \frac{x-8}{3}$

3) $3x > 10x + 6$

4) $-5 \geq 1 + \frac{x}{7}$

$-6x - 14 > 4$

7) $-2 > 11 + 13x$

$-1 \geq -9 + \frac{x}{5}$

10) $-4 \geq \frac{x+6}{2}$

11) $-5x + 3 > -7x$

12) $-10 < 3x - 19$

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Solving Two-Step Inequalities

DS4

Solve each inequality.

1) $4x - 8 \leq -16$

$x \leq -2$

2) $9 \leq \frac{x-8}{3}$

$x \geq 35$

3) $3x > 10x + 6$

$x < -\frac{6}{7}$

4) $-5 \geq 1 + \frac{x}{7}$

$x \leq -42$

$-6x - 14 > 4$

$x < -3$

7) $-2 > 11 + 13x$

$x < -1$

$-1 \geq -9 + \frac{x}{5}$

$x \leq 40$

10) $-4 \geq \frac{x+6}{2}$

$x \leq -14$

11) $-5x + 3 > -7x$

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

12) $-10 < 3x - 19$

$x > 3$

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