

**Solving Two-Step Inequalities**

DS1

Solve each inequality.

1)  $-9 < 2x - 3$

2)  $-4x + 2 \geq -6x$

3)  $-2 \leq \frac{x-3}{7}$

4)  $-2 > 6 + \frac{x}{3}$

$-1 \geq 9 + 8x$

7)  $-5x - 12 \geq 8$

$-4 > 10 + \frac{x}{2}$

10)  $2x \geq 9x + 5$

11)  $8 \leq \frac{x-3}{4}$

12)  $3x - 7 < -14$

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**Solving Two-Step Inequalities**

DS1

Solve each inequality.

1)  $-9 < 2x - 3$

$x > -3$

2)  $-4x + 2 \geq -6x$

$x \geq -1$

3)  $-2 \leq \frac{x-3}{7}$

$x \geq -11$

4)  $-2 > 6 + \frac{x}{3}$

$x < -24$

$-1 \geq 9 + 8x$

$x \leq -\frac{5}{4}$

7)  $-5x - 12 \geq 8$

$x \leq -4$

$-4 > 10 + \frac{x}{2}$

$x < -28$

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10)  $2x \geq 9x + 5$

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

11)  $8 \leq \frac{x-3}{4}$

$x \geq 35$

12)  $3x - 7 < -14$

$x < -\frac{7}{3}$