

**Solving Two-Step Inequalities**

DS5

Solve each inequality.

1)  $6x + 13 > -20x$

2)  $9x + 6 < -21$

3)  $-7 < \frac{x-9}{5}$

4)  $-15x > -8x + 3$

$-10x - 12 \leq 18$

7)  $\frac{x+8}{7} > -2$

$19 \leq -6x + 11$

10)  $-4x - 7 \leq 9$

11)  $3 - \frac{x}{9} < 5$

12)  $-16x \geq 5x + 7$

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**Solving Two-Step Inequalities**

DS5

Solve each inequality.

1)  $6x + 13 > -20x$

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

2)  $9x + 6 < -21$

$x < -3$

3)  $-7 < \frac{x-9}{5}$

$x > -26$

4)  $-15x > -8x + 3$

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

$-10x - 12 \leq 18$

$x \geq -3$

7)  $\frac{x+8}{7} > -2$

$x > -22$

$19 \leq -6x + 11$

$x \leq -\frac{4}{3}$

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10)  $-4x - 7 \leq 9$

$x \geq -4$

11)  $3 - \frac{x}{9} < 5$

$x > -18$

12)  $-16x \geq 5x + 7$

$x \leq -\frac{1}{3}$