

**Solving Multi-Step Inequalities**

ES3

Solve each inequality.

1)  $\frac{4x - 6}{5} > 2$

2)  $3(6x - 8) < 9$

3)  $\frac{9x}{3} - x > 3$

5)  $3(2 + 11x) < -x$

7)  $\frac{6x + 13}{10} \geq 2$

8)  $x + \frac{7x}{2} \leq 4$

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## Solving Multi-Step Inequalities

ES3

Solve each inequality.

1)  $\frac{4x - 6}{5} > 2$

$x > 4$

2)  $3(6x - 8) < 9$

$x < \frac{11}{6}$

3)  $\frac{9x}{3} - x > 3$

$x > 4$

$x > 4$

5)  $3(2 + 11x) < -x$

$x < -\frac{1}{12}$

$-x < -6$

$x < -6$

7)  $\frac{6x + 13}{10} \geq 2$

$x \geq \frac{7}{6}$

8)  $x + \frac{7x}{2} \leq 4$

$x \leq \frac{8}{9}$

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