

**Solving One-Step Inequalities**

Fractions: S3

Solve each inequality.

1)  $\frac{3}{2}x > -9$

2)  $x - \frac{2}{5} < 3$

3)  $\frac{1}{6}x \geq -\frac{5}{3}$

4)  $\frac{8}{3} \geq 4x$

$\frac{1}{2} < x + 5$

7)  $\frac{4}{9} > -12x$

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

10)  $\frac{1}{8} < x - 2$

11)  $-9 > \frac{x}{3}$

12)  $x + \frac{1}{5} \geq 1$

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**Answer key****Solving One-Step Inequalities**

Fractions: S3

Solve each inequality.

1)  $\frac{3}{2}x > -9$

$x > -6$

2)  $x - \frac{2}{5} < 3$

$x < \frac{17}{5}$

3)  $\frac{1}{6}x \geq -\frac{5}{3}$

$x \geq -10$

4)  $\frac{8}{3} \geq 4x$

$x \leq \frac{2}{3}$

$\frac{1}{2} < x + 5$

$x > -\frac{9}{2}$

7)  $\frac{4}{9} > -12x$

$x > -\frac{1}{27}$

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

$x \geq -42$

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10)  $\frac{1}{8} < x - 2$

$x > \frac{17}{8}$

11)  $-9 > \frac{x}{3}$

$x < -27$

12)  $x + \frac{1}{5} \geq 1$

$x \geq \frac{4}{5}$