

Name : \_\_\_\_\_

Score : \_\_\_\_\_

## Solving One-Step Inequalities

Solve each inequality.

1)  $2x < \frac{4}{5}$

2)  $\frac{7}{3}x > -4$

3)  $3 \leq \frac{x}{6}$

4)  $x + \frac{5}{2} \geq 8$

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

6)  $-1 > \frac{x}{9}$

7)  $\frac{x}{7} \leq -\frac{1}{3}$

8)  $\frac{8}{5} \geq 4x$

9)  $\frac{9}{2} < x + 6$

10)  $\frac{2}{3}x > -\frac{6}{5}$

11)  $x - \frac{1}{2} \leq 4$

12)  $\frac{5}{4} \geq -10x$

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## Solving One-Step Inequalities

Solve each inequality.

1)  $-5 \leq \frac{x}{2}$

2)  $-4 > x - 3$

3)  $-6 \leq 21x$

4)  $11 < x + 7$

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

6)  $-12 > x - 9$

7)  $8x \geq 2$

8)  $14 + x < 3$

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

10)  $x - 1 > -14$

11)  $16x \geq -4$

12)  $x + 10 < 15$

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**Answer key**

Solve each inequality.

1)  $2x < \frac{4}{5}$

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

2)  $\frac{7}{3}x > -4$

$x > -\frac{12}{7}$

3)  $3 \leq \frac{x}{6}$

$x \geq 18$

4)  $x + \frac{5}{2} \geq 8$

$x \geq \frac{11}{2}$

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

$x > \frac{13}{5}$

6)  $-1 > \frac{x}{9}$

$x < -9$

7)  $\frac{x}{7} \leq -\frac{1}{3}$

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

8)  $\frac{8}{5} \geq 4x$

$x \leq \frac{2}{5}$

9)  $\frac{9}{2} < x + 6$

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

10)  $\frac{2}{3}x > -\frac{6}{5}$

$x > -\frac{9}{5}$

11)  $x - \frac{1}{2} \leq 4$

$x \leq \frac{9}{2}$

12)  $\frac{5}{4} \geq -10x$

$x \geq -\frac{1}{8}$

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**Answer key**

Solve each inequality.

1)  $-5 \leq \frac{x}{2}$

$x \geq -10$

2)  $-4 > x - 3$

$x < -1$

3)  $-6 \leq 21x$

$x \geq -\frac{2}{7}$

4)  $11 < x + 7$

$x > 4$

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

$x \leq -6$

6)  $-12 > x - 9$

$x < -3$

7)  $8x \geq 2$

$x \geq \frac{1}{4}$

8)  $14 + x < 3$

$x < -11$

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

$x \leq -20$

10)  $x - 1 > -14$

$x > -13$

11)  $16x \geq -4$

$x \geq -\frac{1}{4}$

12)  $x + 10 < 15$

$x < 5$