

**Solving Multi-Step Inequalities**

Decimals: S2

Solve each inequality.

1) 
$$\frac{2}{x - 3.6} \leq \frac{1}{x - 0.75}$$

2) 
$$\frac{7x}{6} + \frac{x}{2} \geq 5.9$$

3) 
$$5x - 11.06 < \frac{1}{2}$$

5) 
$$6.37 \geq \frac{4x}{5} - (x + 3.05)$$

7) 
$$x + 12.4 < 6x + 7.5$$

8) 
$$\frac{9x + 0.8}{x + 6.4} > 5$$

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## Solving Multi-Step Inequalities

Decimals: S2

Solve each inequality.

1) 
$$\frac{2}{x - 3.6} \leq \frac{1}{x - 0.75}$$

$$x \leq -2.1$$

2) 
$$\frac{7x}{6} + \frac{x}{2} \geq 5.9$$

$$x \geq 3.54$$

3) 
$$5x - 11.06 < \frac{1}{2}$$

$$x > 5.35$$

5) 
$$6.37 \geq \frac{4x}{5} - (x + 3.05)$$

$$x \leq 1.77$$

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7) 
$$x + 12.4 < 6x + 7.5$$

$$x > 0.98$$

8) 
$$\frac{9x + 0.8}{x + 6.4} > 5$$

$$x > 7.8$$