Name : _____ Score : _____

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) $5x - 11.06 \cdot$ $\frac{1}{.2}$

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

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

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

Name : _____ **Answer key** Score : _____

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**

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

$x > 0.98$

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

$x > 7.8$