

Solving Multi-Step Inequalities

Decimals: S3

Solve each inequality.

1) $12x + 5.64 > 10x - 16.92$

2) $\frac{3}{8.7 - 2x} < \frac{1}{4.5}$

3) $\frac{6}{x - 7.2} \geq \frac{1}{x}$

2

5) $3x + 4.16 \leq$

7) $8.15 \geq \frac{2x}{3} - \frac{x}{9}$

8) $7.2 + 12x < 4(x + 0.16)$

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Solving Multi-Step Inequalities

Decimals: S3

Solve each inequality.

1) $12x + 5.64 > 10x - 16.92$

$x > -11.28$

2) $\frac{3}{8.7 - 2x} < \frac{1}{4.5}$

$x < -2.4$

3) $\frac{6}{x - 7.2} \geq \frac{1}{x}$

$x \geq$

2

0.32

5) $3x + 4.16 \leq$

$x \geq$

12.24

7) $8.15 \geq \frac{2x}{3} - \frac{x}{9}$

$x \leq 14.67$

8) $7.2 + 12x < 4(x + 0.16)$

$x < -0.82$

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