

Solving Two-Step Inequalities

Decimals: S5

Solve each inequality.

1) $3x + 2.4 < -7.8$

2) $5.7x \leq 1.2x + 22.5$

3) $\frac{x + 8.9}{0.3} > -5$

4) $8.45 \geq 5.6 - \frac{x}{4}$

$-9.8 \leq 10x - 26.2$

7) $12.2 - 3.6x > -11$

$-7x + 1.36 < 3.46$

10) $10.3 \leq -9x - 44.6$

11) $-8.7x - 50.15 > -3.7x$

12) $-4.4 > \frac{x}{0.6} + 7.5$

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Solving Two-Step Inequalities

Decimals: S5

Solve each inequality.

1) $3x + 2.4 < -7.8$

$x < -3.4$

2) $5.7x \leq 1.2x + 22.5$

$x \leq 5$

3) $\frac{x + 8.9}{0.3} > -5$

$x > -10.4$

4) $8.45 \geq 5.6 - \frac{x}{4}$

$x \geq -11.4$

$-9.8 \leq 10x - 26.2$

$x \geq 1.64$

7) $12.2 - 3.6x > -11.4$

$x < 6.5$

$-7x + 1.36 < 3.46$

$x > -0.3$

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10) $10.3 \leq -9x - 44.6$

$x \leq -6.1$

11) $-8.7x - 50.15 > -3.7x$

$x < -10.03$

12) $-4.4 > \frac{x}{0.6} + 7.5$

$x < -7.14$