

**Solving Compound Inequalities**

One-step: S2

Solve each inequality.

1)  $22x \leq 44$  and  $-14 + x < -11$

2)  $x - 33 > 34$  or  $x + 25 < 13$

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

5)  $42 < x + 21 <$

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and  $\frac{x}{14} \leq 0$

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7)  $\frac{x}{7} \geq -1$  and

-  $x > -31$

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9)  $-4 > x - 7 \geq -6$

10)  $x + 19 \leq 1$  and  $x - 15 \leq 3$

**Solving Compound Inequalities**

One-step: S2

Solve each inequality.

1)  $22x \leq 44$  and  $-14 + x < -11$

$x \leq 2$

2)  $x - 33 > 34$  or  $x + 25 < 13$

$x < -12$  or  $x > 67$

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

$x < -2$

$x \leq 5$

5)  $42 < x + 21 <$

$21 <$

and  $\frac{x}{14} \leq 0$

$\leq 0$

7)  $\frac{x}{7} \geq -1$  and

$x \geq 3$

$-x > -31$

$x > -61$

9)  $-4 > x - 7 \geq -6$

$1 \leq x < 3$

10)  $x + 19 \leq 1$  and  $x - 15 \leq 3$

$x \leq -18$

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