

**Solving Absolute Inequalities**

Two-step: S3

Solve each inequality.

1)  $|2x - 10| < 40$

2)  $-|x - 5| + 7 > 6$

3)  $\frac{|x|}{19} + 47 \geq 4$

4

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5)  $|x + 15| - 8 >$

7)  $|2x - 1| < 35$

9)  $\frac{|x|}{12} - 41 \leq -52$

10)  $\frac{|x - 2|}{3} > 5$

**Solving Absolute Inequalities**

Two-step: S3

Solve each inequality.

1)  $|2x - 10| < 40$

$-15 < x < 25$

2)  $-|x - 5| + 7 > 6$

$4 < x < 6$

3)  $\frac{|x|}{19} + 47 \geq 4$

$x \leq -19$

olution

5)  $|x + 15| - 8 > 4$

$x < -3$

$x \leq 15$

7)  $|2x - 1| < 35$

$-17 < x < 18$

$x \leq -5$  or  $x \geq 9$

9)  $\frac{|x|}{12} - 41 \leq -52$

No solution

10)  $\frac{|x - 2|}{3} > 5$

$x < -13$  or  $x > 17$

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