

Solving Absolute Inequalities

Basic: S2

Solve each inequality.

1) $|-x| < 30$

2) $|x| \geq 26$

3) $|x| \leq 29$

4) $|x| > 9$

5) $|x| \geq -33$

7) $|x| > 36$

9) $|x| < 25$

11) $|x| \leq 27$

12) $|x| \geq 35$

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Solving Absolute Inequalities

Solve each inequality.

1) $|-x| < 30$

$-30 < x < 30$

2) $|x| \geq 26$

$x \leq -26$ or $x \geq 26$

3) $|x| \leq 29$

$-29 \leq x \leq 29$

4) $|x| > 9$

$x < -9$ or $x > 9$

5) $|x| \geq -33$

{All real numbers}

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$x < 6$

7) $|x| > 36$

$x < -36$

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$x > 36$ numbers}

9) $|x| < 25$

$-25 < x < 25$

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$x < -3$ or $x > 3$

11) $|x| \leq 27$

$-27 \leq x \leq 27$

12) $|x| \geq 35$

$x \leq -35$ or $x \geq 35$