

Identifying Solutions

Two-step: S1

Choose the correct solution that best describes each inequality.

1) $|-5x| - 6 < 29$

a) $x < 7$

b) $-7 < x < 7$

c) $x < -7$ or $x > 7$

d) No solution

2) $\frac{|2x|}{3} + 7 \geq 11$

a) $x \leq -6$ or $x \geq 6$

b) $x \geq -6$

c) $-6 \leq x \leq 6$

d) $x \leq 6$

3) $|13x + 26| \leq 52$

a) $x \leq 2$

c) $x \geq -6$ and $x \leq 2$

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b) $x < -3$ or $x > 3$

d) No solution

5) $|-x + 17| < 20$

a) $x < 37$

c) $x > -37$ and $x < 3$

b) $-25 \leq x \leq 39$

d) $x \leq 39$

7) $|3x - 15| > 27$

a) $x < -4$

b) $x < -4$ or $x > 14$

c) $x < 14$ and $x > -4$

d) $x > 14$

8) $-|x + 11| - 25 \leq 10$

a) $x \leq -46$

b) $x \geq 24$

c) $-24 \leq x \leq 24$

d) {All real numbers}

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