

Identifying Solutions

Basic: S2

Choose the correct solution that best describes each inequality.

1) $|-x| < 7$

- a) $x > -7$ and $x < 7$ b) $x < 5$
 c) $x > 7$ or $x < -7$ d) No solution

2) $|x| \geq 11$

- a) $x \geq -11$ and $x \leq 11$ b) $x \geq 11$
 c) $x \leq -11$ d) $x \leq -11$ or $x \geq 11$

3) $-|x| \leq 1$

- a) $x \geq 1$ or $x \leq -1$
 c) $x \geq -1$

- b) $x > -3$ and $x < 3$
 d) $x > 3$

5) $|x| \leq 12$

- a) $x \leq -12$
 c) $-12 \leq x \leq 12$

- b) $x > -8$ and $x < 8$
 d) No solution

7) $|x| > -2$

- a) $x > -2$
 c) $x > 2$ or $x < -2$ d) No solution

- b) $x \leq -6$
 c) $x \geq -6$ d) $x \leq -6$ or $x \geq 6$

9) $|x| < 15$

- a) $x > 15$ or $x < -15$ b) $x < 15$
 c) $x < 15$ and $x > -15$ d) $x > 15$

10) $|-x| \leq 5$

- a) $x \leq -5$ or $x \geq 5$ b) $5 \geq x \geq -5$
 c) $x \leq 5$ d) No solution

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