

Identifying Solutions

Basic: S1

Choose the correct solution that best describes each inequality.

1) $|x| \geq 5$

- a) $x \geq -5$ and $x \leq 5$ b) $x \leq -5$
 c) $x \geq 5$ d) $x \leq -5$ or $x \geq 5$

2) $|-x| < 9$

- a) $x < 9$ b) $x > 9$ or $x < -9$
 c) $-9 < x < 9$ d) No solution

3) $|x| \leq -10$

- a) $-10 \leq x \leq 10$
 c) $x \leq -10$

- b) $x < -2$ or $x > 2$
 d) $x < -2$

5) $|x| < 13$

- a) $-13 < x < 13$
 c) $x < -13$

- b) $x < 4$ and $x > -4$
 d) No solution

7) $|-x| \geq 6$

- a) $x \geq -6$ and $x \leq 6$
 c) $x \geq 6$ d) No solution

- b) $x \leq -8$
 c) $8 \geq x \geq -8$ d) $x \geq 8$

9) $-|x| \leq 3$

- a) $x \geq 3$ or $x \leq -3$ b) $x \geq -3$
 c) $x \geq -3$ and $x \leq 3$ d) No solution

10) $|x| > 17$

- a) $x < 17$ and $x > -17$ b) $x < -17$ or $x > 17$
 c) $x > 17$ d) $x < -17$

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