

Identifying Solutions

Basic: S3

Choose the correct solution that best describes each inequality.

1) $|x| > -4$

- a) $x > -4$ b) $x > -4$ and $x < 4$
 c) $x < -4$ or $x > 4$ d) {All real numbers}

2) $|-x| < 10$

- a) $-10 < x < 10$ b) $x > 10$ or $x < -10$
 c) $x < -10$ d) No solution

3) $|-x| \geq 19$

- a) $x \geq -19$ and $x \leq 19$
 c) $x \geq 19$

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

5) $-|x| > 7$

- a) $x < -7$
 c) $-7 < x < 7$

- b) $x > -21$
 d) $x > 21$ or $x < -21$

7) $|x| \leq 9$

- a) $x \leq 9$
 c) $x \leq -9$ or $x \geq 9$ d) $x \leq -9$

- b) $x \leq -18$
 c) $18 \geq x \geq -18$ d) $x \leq -18$ or $x \geq 18$

9) $|x| < 12$

- a) $x > 12$ or $x < -12$ b) $x < 12$
 c) $x < -12$ d) $-12 < x < 12$

10) $|-x| > 1$

- a) $x < -1$ or $x > 1$ b) $x > -1$
 c) $-1 < x < 1$ d) {All real numbers}

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