

Identifying Solutions - MCQ

Basic: S3

Choose the correct solution that best describes each inequality.

1) $|-x| \leq 14$

- a) $(-\infty, -14] \cup [14, \infty)$ b) $(-\infty, 14] \cap [-14, \infty)$
 c) $(-\infty, 14) \cap (-14, \infty)$ d) No solution

2) $|x| > 28$

- a) $(-\infty, -28) \cup (28, \infty)$ b) $(28, \infty)$
 c) $(-\infty, -28)$ d) $(-\infty, 28) \cup (-28, \infty)$

3) $|x| < 2$

- a) $(-\infty, 2)$ b) $(-\infty, 2) \cup (2, \infty)$
 c) $(-\infty, -2) \cup (2, \infty)$ d) No solution

4) $|x| > -33$

- a) $(-\infty, 33] \cap [-33, \infty)$
 b) $(-\infty, 33] \cap [-33, \infty)$
 c) $(-\infty, 33] \cup [-33, \infty)$
 d) No solution

5) $|x| > 17$

- a) $(-\infty, -17) \cup (17, \infty)$ b) $(-\infty, 17)$
 c) $(-\infty, 17)$ d) No solution

7) $|-x| \geq 11$

- a) $(-\infty, -11]$ b) $(-\infty, 1) \cap (-1, \infty)$
 c) $(-\infty, -11] \cup [11, \infty)$ d) No solution c) $(-\infty, 1)$ d) $(-\infty, -1) \cup (1, \infty)$

9) $|x| < 37$

- a) $(-\infty, 37)$ b) $(-37, \infty)$
 c) $(-\infty, -37) \cup (37, \infty)$ d) $(-\infty, 37) \cap (-37, \infty)$

10) $|x| > 21$

- a) $(-\infty, -21) \cup (21, \infty)$ b) $(21, \infty)$
 c) $(-\infty, -21)$ d) $(-\infty, 21) \cup (-21, \infty)$

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