

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) $[-14, 14]$
 c) $(-14, 14)$ d) No solution

2) $|x| > 28$

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

3) $|x| < 2$

- a) $(-\infty, 2)$ b) $(-2, \infty)$
 c) $(-\infty, -2) \cup (2, \infty)$ d) $(-2, 2)$

4) $|x| > -33$

- b) $[-33, 33]$
 d) $(-\infty, \infty)$

5) $|x| > 17$

- a) $(-\infty, -17) \cup (17, \infty)$ b) $(-17, \infty)$
 c) $(-\infty, 17)$ d) $(-17, 17)$

7) $|-x| \geq 11$

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

9) $|x| < 37$

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

10) $|x| > 21$

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

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- b) $(-\infty, 8)$
 d) $[-8, 8]$

- b) $(-1, 1)$
 d) $(-\infty, -1) \cup (1, \infty)$

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