

Identifying Solutions - MCQ

Basic: S2

Choose the correct solution that best describes each inequality.

1) $|x| < 7$

- a) $(-\infty, -7) \cup (7, \infty)$ b) $(-\infty, 7) \cap (-7, \infty)$
 c) $(-\infty, 7) \cap [-7, \infty)$ d) $(-\infty, 7)$

2) $|x| \geq 15$

- a) $(-\infty, -15]$ b) $[15, \infty)$
 c) $(-\infty, 15] \cup [-15, \infty)$ d) $(-\infty, -15] \cup [15, \infty)$

3) $-|x| \leq 34$

- a) $(-\infty, 34]$ b) $(-\infty, 34)$
 c) $(-\infty, 34] \cap [-34, \infty)$ d) $(-\infty, 34) \cap [-34, \infty)$

4) $|x| > 29$

- a) $(-\infty, 29)$
 b) $(-\infty, 29) \cup (-29, \infty)$
 c) $(-\infty, 29) \cap (-29, \infty)$
 d) $(-\infty, 29) \cup (-29, \infty)$

5) $|x| \geq 18$

- a) $[18, \infty)$ b) $(18, \infty)$
 c) $(-\infty, -18] \cup [18, \infty)$ d) $(-\infty, -18) \cup (18, \infty)$

- a) $(-\infty, 25) \cap (-25, \infty)$
 b) $(-\infty, 25) \cup (-25, \infty)$
 c) $(-\infty, 25) \cap (-25, \infty)$
 d) No solution

7) $|x| > 6$

- a) $(-\infty, -6) \cup (6, \infty)$ b) $(-\infty, -6) \cup (6, \infty)$
 c) $(6, \infty)$ d) $(-\infty, -6)$

- a) $(-\infty, 36] \cup [-36, \infty)$
 b) $(-\infty, 36] \cap [-36, \infty)$
 c) $(-\infty, 36] \cap [-36, \infty)$
 d) No solution

9) $|-x| \leq 22$

- a) $(-\infty, 22) \cap (-22, \infty)$ b) $(-\infty, 22] \cap [-22, \infty)$
 c) $(-\infty, 22] \cup [-22, \infty)$ d) No solution

10) $|x| < 13$

- a) $(-\infty, -13) \cup (13, \infty)$ b) $(13, \infty)$
 c) $(-\infty, 13) \cap (-13, \infty)$ d) $(-\infty, -13)$

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