

Identifying Solutions - MCQ

One-step: S1

Choose the correct solution that best describes each inequality.

1) $|6x| > 24$

- a) $(-\infty, -4) \cap (4, \infty)$ b) $(-\infty, -4] \cup [4, \infty)$
 c) $(-\infty, -4) \cup (4, \infty)$ d) $(-\infty, -4)$

2) $13 - |x| < 19$

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

3) $|x + 7| \geq 4$

- a) $(-11, -3)$ b) $(-11, -3] \cup [3, \infty)$
 c) $(-\infty, 11] \cup [3, \infty)$ d) $(-\infty, 11] \cup [3, \infty)$

4) $\frac{|x|}{3} < 8$

- a) $(-\infty, -16] \cup [16, \infty)$
 b) $(-\infty, -16] \cup [16, \infty)$
 c) $(-\infty, -16] \cup [16, \infty)$
 d) $(-16, 16)$

5) $|x| + 9 \leq 10$

- a) $(-\infty, -1] \cap [1, \infty)$ b) $(-\infty, -1] \cap [1, \infty)$
 c) $(-1, 1)$ d) $(-1, 1)$

7) $|18x| < -36$

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

9) $|x| - 20 \geq 5$

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

10) $\frac{|x|}{3} \leq 4$

- a) $(-\infty, -12) \cap (12, \infty)$ b) $(-12, 12)$
 c) $[-12, 12]$ d) $(-\infty, -12] \cup [12, \infty)$

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