

Identifying Solutions - MCQ

Two-step: S3

Choose the correct solution that best describes each inequality.

1) $|7x - 21| \leq 49$

- a) $(-\infty, -10] \cap [-4, \infty)$ b) $(4, -10)$
 c) $[-4, 10]$ d) $(-\infty, \infty)$

2) $-|24x| - 20 \geq 52$

- a) $(-\infty, -3]$ b) $(-\infty, 3] \cup [-3, \infty)$
 c) $(-3, 3)$ d) No solution

3) $|11x + 22| < 44$

- a) $[-6, \infty)$ b) $(-\infty, -1] \cap [1, \infty)$
 c) $(-\infty, 2]$ d) $(1, \infty)$

5) $\frac{|x - 9|}{5} \geq 10$

- a) $(-\infty, -59] \cup [41, \infty)$ b) $(-23, -9)$
 c) $(-\infty, 41] \cap [59, \infty)$ d) $(-\infty, \infty)$

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7) $|8x - 24| > 72$

- a) $(-\infty, -6) \cup (12, \infty)$ b) $(-\infty, 6) \cup (-12, \infty)$
 c) $(6, \infty)$ d) No solution

8) $|-x - 12| - 2 < 1$

- a) $(-\infty, -9]$ b) $(-\infty, -9) \cap (15, \infty)$
 c) $(15, \infty)$ d) $(-15, -9)$

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