

Identifying Solutions

ES2

Choose the correct solution that best describes each inequality.

1) $x - 3 > 9$

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

2) $\frac{x}{2} \leq 1$

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

3) $x + 4 < 11$

- a) $(7, \infty)$
 c) $[7, \infty)$

- b) $(-\infty, 11]$
 d) $[11, \infty)$

5) $6x \geq 48$

- a) $(-\infty, 8)$
 c) $(8, \infty)$

- b) $(-\infty, -6]$
 d) $[6, \infty)$

7) $3x < 27$

- a) $(-\infty, -9)$
 c) $(9, \infty)$

- d) $(-\infty, 9)$

- c) $(4, \infty)$

- b) $(-\infty, -4)$
 d) $(-4, \infty)$

9) $\frac{x}{7} \leq 5$

- a) $(35, \infty)$ b) $(-\infty, 35]$
 c) $[-35, \infty)$ d) $(-\infty, 35)$

10) $4x < 12$

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

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