

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) $[7, \infty)$

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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) $(35, \infty)$

c) $[-35, \infty)$

b) $(-\infty, 35]$

d) $(-\infty, 35)$

10) $4x < 12$

a) $(-\infty, 3]$

c) $(-\infty, 3)$

b) $[3, \infty)$

d) $[-3, \infty)$