

Identifying Solutions

ES1

Choose the correct solution that best describes each inequality.

1) $x + 5 \leq 2$

a) $(-\infty, -3)$

b) $(-\infty, -3]$

c) $(-3, \infty)$

d) $[-3, \infty)$

2) $4x \geq 40$

a) $(10, \infty)$

b) $(-\infty, -10]$

c) $(-10, \infty)$

d) $[10, \infty)$

3) $x - 9 > 2$

a) $(11, \infty)$

c) $[11, \infty)$

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b) $(-\infty, 16]$

d) $[16, \infty)$

5) $2x \geq 10$

a) $(-\infty, 5)$

c) $[5, \infty)$

b) $(-\infty, 2]$

d) $[2, \infty)$

7) $x - 7 < 15$

a) $(-\infty, 22)$

c) $(-22, \infty)$

d) $[-22, \infty)$

b) $(-\infty, -8)$

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

d) $(-8, \infty)$

9) $\frac{x}{3} > 6$

a) $(18, \infty)$

c) $[-18, \infty)$

b) $(-\infty, 18]$

d) $(-18, \infty)$

10) $3x \geq 21$

a) $(-\infty, 7)$

c) $(7, \infty)$

b) $[7, \infty)$

d) $[-7, \infty)$