

Identifying Solutions

Choose the correct interval that best describes each inequality.

1) $x < 11$

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

2) $x > 28$

- a) $[28, \infty)$ b) $(-\infty, 28]$
 c) $(-\infty, 28)$ d) $(28, \infty)$

3) $x \leq -5$

- a) $(-5, \infty)$
 c) $(-\infty, -5]$

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

5) $x > 30$

- a) $(30, \infty)$
 c) $(-30, \infty)$

- b) $(2, \infty)$
 d) $[2, \infty)$

7) $x \geq -14$

- a) $(-\infty, -14)$
 c) $(-\infty, -14]$

d) $[-14, \infty)$

c) $(-\infty, -27)$

- b) $(-\infty, 27]$
 d) $(-\infty, -27]$

9) $9 \geq x$

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

10) $x > -20$

- a) $[-20, \infty)$ b) $[20, \infty)$
 c) $(-20, \infty)$ d) $(20, \infty)$

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