

Identifying Solutions

ES4

Choose the correct solution that best describes each inequality.

1) $\frac{x}{2} \geq 3$

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

2) $8 + x \leq 17$

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

3) $5x > 35$

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

- b) $(-\infty, 21]$
 d) $[21, \infty)$

5) $x - 5 < 10$

- a) $(-\infty, 15]$
 c) $[-15, \infty)$

- b) $(3, \infty)$
 d) $[3, \infty)$

7) $x + 11 \geq 4$

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

- b) $(-\infty, -21]$
 d) $(-\infty, 21]$

9) $7x \leq 14$

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

10) $\frac{x}{6} > 1$

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

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