

Identifying Solutions

ES1

Choose the correct solution that best describes each inequality.

1) $5x - 2 \geq 3$

- a) $(-\infty, -1)$ b) $(-1, \infty)$
 c) $(-\infty, 1]$ d) $[1, \infty)$

2) $6x + 2 < 14$

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

3) $\frac{x-1}{4} \leq 3$

- a) $(-\infty, 13]$
 c) $[13, \infty)$

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

5) $19 + 2x > 5$

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

- b) $(-\infty, 1]$
 d) $[1, \infty)$

7) $5x - 17 \geq 3$

- a) $(-\infty, 4)$
 c) $[4, \infty)$

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

9) $\frac{x}{7} + 1 > 5$

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

10) $\frac{x+9}{3} \geq 6$

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

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d) $[-4, \infty)$ c) $(-\infty, -2]$

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