

Identifying Solutions

ES3

Choose the correct solution that best describes each inequality.

1) $7(6 + 2x) < 56$

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

2) $\frac{4x + 2}{2} > 15$

- a) $(-\infty, 7]$ b) $(-\infty, 7)$
 c) $[7, \infty)$ d) $(7, \infty)$

3) $\frac{2x}{3} + x \leq 10$

- a) $(-\infty, 6)$
 c) $(-\infty, 6]$

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- b) $(-\infty, 26)$
 d) $[26, \infty)$

5) $8(2x - 5) < 72$

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

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

7) $\frac{3x - 2}{8} > 5$

- a) $(-\infty, -14)$ b) $[14, \infty)$
 c) $(-\infty, 14]$ d) $(14, \infty)$

8) $\frac{x}{5} - x \leq 12$

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