

Identifying Solutions

ES1

Choose the correct solution that best describes each inequality.

1) $\frac{8x}{3} - 2x > 12$

- a) $(-\infty, -18)$ b) $(18, \infty)$
 c) $(-\infty, 18]$ d) $[18, \infty)$

2) $\frac{7x+1}{2} \geq 4$

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

3) $4(2 + 5x) < 48$

- a) $(-\infty, 2)$
 c) $(-\infty, 2]$

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

5) $\frac{3x+5}{2} \geq 7$

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

- b) $(-\infty, 6)$
 d) $[6, \infty)$

7) $\frac{3x}{2} + 5x \leq 26$

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

8) $\frac{4x-8}{6} > 2$

- a) $(-\infty, -5)$ b) $[5, \infty)$
 c) $(-\infty, 5]$ d) $(5, \infty)$