

Identifying Solutions

ES2

Choose the correct solution that best describes each inequality.

1) $\frac{7x}{2} - x \leq 25$

- a) $(-\infty, -10)$ b) $(10, \infty)$
 c) $(-\infty, 10]$ d) $[10, \infty)$

2) $4(2x - 5) < 28$

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

3) $3(8 + 2x) < 30$

- a) $(-\infty, 1)$
 c) $(-\infty, 1]$

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

5) $\frac{2x+3}{3} > 11$

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

- b) $(80, \infty)$
 d) $(-\infty, -80]$

7) $\frac{5x+4}{6} \geq 4$

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

8) $\frac{6x-11}{5} > 5$

- a) $(-\infty, -6)$ b) $(6, \infty)$
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