

## 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)  $(-15, \infty)$

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