

## 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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