

## Identifying Solutions

ES2

Choose the correct solution that best describes each inequality.

1)  $\frac{x+4}{5} \leq 6$

- a)  $(-\infty, -26)$                       b)  $(26, \infty)$   
 c)  $(-\infty, 26]$                         d)  $[26, \infty)$

2)  $7 + 3x < 22$

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

3)  $8x + 2 < 34$

- a)  $(-\infty, 4]$                               b)  $(-\infty, 2]$   
 c)  $[4, \infty)$                                 d)  $(2, \infty)$

5)  $23 + 4x > 7$

- a)  $(-\infty, 4)$                               b)  $(-\infty, 17]$   
 c)  $[4, \infty)$                                 d)  $[17, \infty)$

7)  $\frac{x}{3} + 2 < 4$

- a)  $(6, \infty)$                                 b)  $(-\infty, 4)$   
 c)  $(-\infty, 6)$                               d)  $(4, \infty)$   
 d)  $[-6, \infty)$                             c)  $[4, \infty)$

9)  $\frac{x}{6} + 3 \geq 11$

- a)  $(-48, \infty)$                               b)  $[48, \infty)$   
 c)  $(48, \infty)$                                 d)  $[-48, \infty)$

10)  $9x - 15 < 3$

- a)  $(-\infty, 2]$                               b)  $(2, \infty)$   
 c)  $(-\infty, 2)$                               d)  $[-2, \infty)$

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