

## Identifying Solutions

ES4

Choose the correct solution that best describes each inequality.

1)  $11x + 6 \geq 17$

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

2)  $\frac{x - 10}{4} < 13$

- a)  $[-62, \infty)$                       b)  $(-\infty, 62]$   
 c)  $(-\infty, 62)$                       d)  $(62, \infty)$

3)  $\frac{x}{5} - 3 > 14$

- a)  $(-\infty, 85]$   
 c)  $(85, \infty)$

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

5)  $\frac{x + 5}{8} < 4$

- a)  $(-\infty, -27]$   
 c)  $[27, \infty)$

- b)  $(-16, \infty)$   
 d)  $[16, \infty)$

7)  $13 + 9x \leq 22$

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

- d)  $(-\infty, -1)$

- c)  $(-9, \infty)$

- b)  $(9, \infty)$   
 d)  $(-\infty, 9]$

9)  $7x - 4 > 24$

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

10)  $2 + 2x < 16$

- a)  $(-7, \infty)$                       b)  $(-\infty, 7]$   
 c)  $(7, \infty)$                       d)  $(-\infty, 7)$

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