

## Identifying Solutions

MS4

Choose the correct solution that best describes each inequality.

1)  $4 \geq 7x - 24$

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

2)  $-5 < \frac{x}{4} - 13$

- a)  $[32, \infty)$                       b)  $(-\infty, 32)$   
 c)  $(-\infty, -32)$                       d)  $(32, \infty)$

3)  $\frac{x+7}{9} > 6$

- a)  $(-47, \infty)$   
 c)  $(47, \infty)$

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

5)  $42 \geq 4x + 6$

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

- b)  $[7, \infty)$   
 d)  $(-\infty, 7]$

7)  $11 > -25 - 2x$

- a)  $(-\infty, -18]$   
 c)  $(-\infty, 18)$

- d)  $[18, \infty)$

- c)  $[-78, \infty)$

- b)  $(-78, \infty)$   
 d)  $(-\infty, -78]$

9)  $16 < \frac{x-8}{5}$

- a)  $(88, \infty)$                       b)  $(-\infty, 88)$   
 c)  $(-\infty, -88)$                       d)  $[88, \infty)$

10)  $-9 \leq 6x + 15$

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 c)  $(-\infty, -4)$                       d)  $(-\infty, 4)$

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