

## Identifying Solutions

MS1

Choose the correct solution that best describes each inequality.

1)  $7 \geq 2x - 35$

- a)  $[21, \infty)$                       b)  $(-21, \infty)$   
 c)  $(-\infty, 21]$                       d)  $[-21, \infty)$

2)  $x + 2 < 3x$

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

3)  $-5 > 13 + 2x$

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

- b)  $(31, \infty)$   
 d)  $[31, \infty)$

5)  $3x + 10 < -5$

- a)  $(-\infty, -5)$   
 c)  $(5, \infty)$

- b)  $(8, \infty)$   
 d)  $(-\infty, 8)$

7)  $-9 \leq 1 + \frac{x}{5}$

- a)  $(-\infty, -50]$   
 c)  $(-\infty, 50)$

- d)  $[-50, \infty)$

- c)  $(-\infty, 37]$

- b)  $[37, \infty)$   
 d)  $(-37, \infty)$

9)  $2x - 4 < -16$

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

10)  $12 \leq \frac{x-1}{2}$

- a)  $[25, \infty)$                               b)  $(25, \infty)$   
 c)  $(-\infty, 25]$                               d)  $(-\infty, 25)$

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