

## Identifying Solutions

MS1

Choose the correct solution that best describes each inequality.

1)  $7 < \frac{4x-7}{3}$

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

2)  $5x + \frac{x}{2} \leq 33$

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

3)  $\frac{18-3x}{6} \geq x$

- a)  $(-\infty, 2)$   
 c)  $(-\infty, 2]$

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

5)  $x + 2 > \frac{4x}{3}$

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

- b)  $(12, \infty)$   
 d)  $[12, \infty)$

7)  $16 < 2(3x + 5)$

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

8)  $\frac{-6x+1}{7} \geq 7$

- a)  $(-\infty, -8]$                       b)  $[-8, \infty)$   
 c)  $(-\infty, 8)$                       d)  $(-8, \infty)$