

## Identifying Solutions

MS2

Choose the correct solution that best describes each inequality.

1)  $64 < 2(3x + 5)$

- a)  $(-\infty, 9)$                       b)  $[9, \infty)$   
 c)  $(-\infty, 9]$                       d)  $(9, \infty)$

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

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

3)  $\frac{-5x + 3}{3} \geq 6$

- a)  $(-\infty, 3)$   
 c)  $(-\infty, -3]$

# PREVIEW

Gain complete access to the largest  
collection of worksheets in all subjects!

Members, please  
log in to  
download this  
worksheet.

Not a member?  
Please sign up to  
gain complete  
access.

[www.mathworksheets4kids.com](http://www.mathworksheets4kids.com)

x

- b)  $(-20, \infty)$   
 d)  $(-\infty, -20)$

5)  $x + \frac{x}{2} \leq -57$

- a)  $(-\infty, 38)$   
 c)  $(-\infty, -38]$

4

- b)  $(-3, \infty)$   
 d)  $[3, \infty)$

7)  $\frac{6}{x-3} + 2 > 4$

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

8)  $\frac{20 - 3x}{2} \geq x$

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