

## Identifying Solutions

MS3

Choose the correct solution that best describes each inequality.

1)  $\frac{x}{7} \leq 9$

- a)  $[63, \infty)$                       b)  $(-\infty, 63)$   
 c)  $(-\infty, 63]$                       d)  $[-63, \infty)$

2)  $18 < x + 6$

- a)  $(12, \infty)$                       b)  $(-\infty, 12]$   
 c)  $(-\infty, 12)$                       d)  $[12, \infty)$

3)  $12 > x - 26$

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

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

5)  $x + 16 < -3$

- a)  $(-\infty, -19)$   
 c)  $(19, \infty)$

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

7)  $-15 \geq \frac{x}{5}$

- a)  $(-\infty, -75)$   
 c)  $(-\infty, -75]$

- d)  $[-75, \infty)$

- c)  $(\infty, 25)$

- b)  $(-\infty, -25)$   
 d)  $(-\infty, -25]$

9)  $3x \geq 126$

- a)  $(-42, \infty)$                       b)  $(-\infty, 42)$   
 c)  $(42, \infty)$                       d)  $[42, \infty)$

10)  $x - 18 \leq 7$

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

# 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)