

## Identifying Solutions

One-step: S1

Choose the correct solution that best describes each inequality.

1)  $|x + 9| < 2$

- a)  $x < -7$  and  $x > 11$     b)  $7 < x < 11$   
 c)  $x > -7$  or  $x < -11$     d)  $x > -11$  and  $x < -7$

2)  $|x - 6| > 3$

- a)  $x < 9$  and  $x > -3$     b)  $3 < x < 9$   
 c)  $x < 3$  or  $x > 9$     d)  $x > 9$  or  $x < -3$

3)  $|2x| \leq 16$

- a)  $-8 \leq x \leq 8$   
 c)  $x \leq -8$  or  $x \geq 8$

- b)  $x \leq -20$  or  $x \geq 20$   
 d) No solution

5)  $|x - 7| < 12$

- a)  $x > -19$  and  $x < 5$   
 c)  $x > 19$  or  $x < -5$

- b)  $x > 4$  and  $x < 16$   
 d) {All real numbers}

7)  $\frac{|x|}{2} \leq 9$

- a)  $x \leq 18$   
 c)  $x \geq -18$  and  $x \leq 18$     d)  $x \leq -18$

- b)  $x \leq -3$   
 d) No solution

9)  $|x + 3| > -14$

- a)  $x > 17$  or  $x < -11$     b)  $x > -17$  and  $x < 11$   
 c)  $x > 17$     d) {All real numbers}

10)  $|x - 5| < 1$

- a)  $4 < x < 6$     b)  $x > 6$  or  $x < 4$   
 c)  $x > -4$  or  $x < -6$     d)  $x > -6$  and  $x < 4$

# PREVIEW

Access the largest collection of  
worksheets for just **\$19.95** per year!

Members, please  
log in to  
download this  
worksheet.

Log in

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

Sign up

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

## Identifying Solutions

One-step: S1

Choose the correct solution that best describes each inequality.

1)  $|x + 9| < 2$

- a)  $x < -7$  and  $x > 11$     b)  $7 < x < 11$   
 c)  $x > -7$  or  $x < -11$      d)  $x > -11$  and  $x < -7$

2)  $|x - 6| > 3$

- a)  $x < 9$  and  $x > -3$     b)  $3 < x < 9$   
 c)  $x < 3$  or  $x > 9$     d)  $x > 9$  or  $x < -3$

3)  $|2x| \leq 16$

- a)  $-8 \leq x \leq 8$   
 c)  $x \leq -8$  or  $x \geq 8$

# PREVIEW

Access the largest collection of  
worksheets for just **\$19.95** per year!

Members, please  
log in to  
download this  
worksheet.

Log in

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

Sign up

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

- b)  $x \leq -20$  or  $x \geq 20$   
 d) No solution

5)  $|x - 7| < 12$

- a)  $x > -19$  and  $x < 5$   
 c)  $x > 19$  or  $x < -5$

- b)  $x > 4$  and  $x < 16$   
 d) {All real numbers}

7)  $\frac{|x|}{2} \leq 9$

- a)  $x \leq 18$   
 c)  $x \geq -18$  and  $x \leq 18$     d)  $x \leq -18$

b)  $x \leq -3$

c)  $3 \geq x \geq -3$

- d) No solution

9)  $|x + 3| > -14$

- a)  $x > 17$  or  $x < -11$     b)  $x > -17$  and  $x < 11$   
 c)  $x > 17$      d) {All real numbers}

10)  $|x - 5| < 1$

- a)  $4 < x < 6$     b)  $x > 6$  or  $x < 4$   
 c)  $x > -4$  or  $x < -6$     d)  $x > -6$  and  $x < 4$