

Unit 4: Worksheet 3  
Solving Absolute Value Equations

Name \_\_\_\_\_

Period \_\_\_\_\_

**Solve the absolute value equation.**

1.  $|x + 2| = 7$

2.  $|x - 13| = 10$

3.  $|24 + x| = 20$

4.  $|x - 3| + 2 = 18$

5.  $2|x + 4| = 12$

6.  $|2x - 4| - 1 = 5$

7.  $-4|3 - x| = 28$

8.  $3|9 + x| - 16 = 20$

9.  $|3 + 7x| + 4 = 22$

10.  $15 = |7 + x|$

11.  $8 = 2 + |x - 4|$

12.  $|5x - 2| = 8$