

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. $|5x - 2| = 8$