

Name: \_\_\_\_\_

Period: \_\_\_\_\_ Date: \_\_\_\_\_

## Solving Absolute Value Equations - Mixed

### Section I. Solve for the variable if possible

1.  $|y - 6| = 9$

2.  $|8 - 3k| = -7$

3.  $|3x + 5| = 11$

4.  $\left| \frac{k}{-3} \right| = 9$

5.  $\left| \frac{m}{12} + 15 \right| = 13$

6.  $|13 - 4h| = 27$

7.  $\left| \frac{g}{5} + 10 \right| = 4$

8.  $\left| \frac{7+a}{6} \right| = 8$

9.  $|g - 3| - 14 = -6$

10.  $-12|9j + 1| = -120$

11.  $|w + 6| = 3w - 2$

12.  $3|x - 5| = 2x$

13.  $|4a + 12| = -6a + 4$

14.  $3|2j + 7| = 3j + 12$

15.  $|3p - 7| - 5 = -3$

16.  $2|5f + 9| + 7 = 1$

17.  $4|3x + 8| = 16x$

18.  $|15 + q| = -2q + 3$