



# Absolute Value Equations

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

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

Score: \_\_\_\_\_

Direction: Solve each absolute value equation.

1)  $|2x + 3| = 5$

2)  $|7 - 7x| = 28$

3)  $-6|9 - 6x| + 3 = -87$

4)  $2|-3m - 3| - 5 = 43$



Name: \_\_\_\_\_ ANSWER KEY \_\_\_\_\_

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

Score: \_\_\_\_\_

Direction: Solve each absolute value equation.

1)  $|2x + 3| = 5$

$$x_1 = 1, x_2 = -4$$

2)  $|7 - 7x| = 28$

$$x_1 = -3, x_2 = 5$$

3)  $-6|9 - 6x| + 3 = -87$

$$x_1 = -1, x_2 = 4$$

4)  $2|-3m - 3| - 5 = 43$

$$x_1 = -9, x_2 = 7$$