

First Name \_\_\_\_\_ Last Name \_\_\_\_\_

### Pre-Algebra Worksheet 3

*Simplify each expression.*

1.  $8(x + 5)$

2.  $-6(m - 4)$

3.  $7(3 - 2x)$

4.  $6(x - 4) - 2x - 14$

5.  $3(2x - 3) - 3x$

6.  $5x - 4(x + 3) - 11$

7.  $11 - 5d - d - 4 - 7$

8.  $2(x - 7) - 3(10 - x)$

*Solve each equation. Show your inverse operations. You don't need to do the check steps.*

9.  $8 - 3x = 35$

10.  $-4 = \frac{y}{2} + 11$

11.  $11 = \frac{2}{5}n - 7$

12.  $-42 = 9k - 30$