

## Algebraic Expressions

**Directions: Simplify each expression.**

1.)  $3x + 2y - 5x + 4y =$  \_\_\_\_\_

2.)  $2a + 3b - 4a + 5b - 2a =$  \_\_\_\_\_

3.)  $4x - 2y + 3x + 5y - 7x =$  \_\_\_\_\_

4.)  $3m - 2n + 5m + 4n - 2m - n =$  \_\_\_\_\_

5.)  $3(x+2) =$  \_\_\_\_\_

6.)  $2(3x - 5) =$  \_\_\_\_\_

7.)  $4(2y + 3) =$  \_\_\_\_\_

8.)  $5(2a - 4) =$  \_\_\_\_\_

**Directions: Evaluate each algebraic expression. Show your work in the space provided.**

9.)  $3x + 7 = 16$

10.)  $2y - 5 = 11$

11.)  $2(3x - 4) + 5 = 17$

12.)  $3(y + 2) - 4 = 5y + 7$

13.)  $4(a - 3) + 2a = 5a - 6$

