Name_____

SIMPLIFYING EXPRESSIONS #2

Directions: For each expression below, simplify the expression by combining *like terms*. Any two terms can be added/subtracted as long as they contain the same variable(s) and the same exponents. Terms that have different variables or exponents must be kept separated. Write the simplified expression on the line provided.

Examples: $5x + 2y + 8x = $ <u>$13x + 2y$</u> $5x^2 + 2y + 8x + 2x^2 = $ <u>$7x^2 + 8x + 2y$</u>

1) $13x + 3y + 2x = $ _____

2) $4x^2 + 3y + 5x + 6x^2 = $ _____

3) $7y + 4y + 5x = $ _____

4) $2y^2 + 6y + 4y + 10y^2 = $ _____

5) $9x + y - 3x = $ _____

6) $x^2 + 8y - 4y + 8x^2 = $ _____

7) $17x - 5x + 3y - y + 2x = $ _____

8) $2y^2 + 2y + 2y + 2x^2 = $ _____

9) $21x + 4y - 5x = $ _____

10) $13x^2 + 3y + x + 6x^2 = $ _____