

## Combining Like Terms

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

Combine like terms so that you get the simplified expression (short expression).

1.  $xy + 25 + xy + x^2 + 1 + xy + x^2 + 5 + x^2 + x^2$

2.  $5x + 1 + x + y + 1 + 5y + 5x + 1$

3.  $y^2 + xy + 5y + y + 1 + xy + y^2 + 5y + 1$

4.  $2x + 1 + 5x + 5y + 1 + x + 25 + y + 3y + 5$

5.  $xy + x^2 + 5 + x^2 + xy + 5y + x^2 + 5 + 25 + 1$

6.  $y + 1 + y^2 + 5 + 5y + x + 5x + 1 + 5y + x + y^2 + 1 + 1 + y^2$

7.  $xy + 25 + 5x + xy + 1 + x + xy + x + xy + 1$

8.  $x^2 + 5x + y + x + x^2 + 1 + x + 5 + 5x + y + 25 + x^2 + 1 + x + y$

9.  $5y + 1 + y + xy + 5 + xy + y + 5 + y^2 + 5y + y^2 + 1$

10.  $25 + xy + x^2 + 1 + xy + 5x + x + x^2 + 1 + x^2 + x + y + 5y + 1 + x^2$

11.  $3y^2 + 5y + 3 + 6x^2 + 4y + 11 + 2x^2 + 13 + y^2 + 10y$

12.  $6xy + 15 + 4x^2 + 5 + 3y + 9xy + 5x^2 + 21 + 2xy + 6y$