

Name: _____

Period: _____

Worksheet 1

Simplifying Algebraic Expressions

Identify like terms in each list.

1. $9c$ b c 13 $4b$ 22 $17a$

2. y y^2 $5y$ 4 $3y^2$ 9

3. 7 $6x$ $6x^2$ x $17x$ x^2 5

4. n 5 $7n^2$ $7n$ n^2 $18n$ 15

5. $2m$ $22m$ $56r$ 10^2 r 24

6. y y^2 $5y^2$ $2y$ 5^2 $5y$ 36

Simplify by combining like terms.

7. $2m^2 + 2m^2$

8. $10c - 5c$

9. $5a^2 + b^2 + 9a^2 + 5b^2$

10. $8h^2 + 4 - 6h^2 + 8$

11. $4n + 3a + n + a + a^2$

12. $9b + 7b + 6b^2 - 10 - 5b$

13. Find the perimeter of the rectangle.
Combine like terms.

A $4x + 3y$

B $8x + 6y$

C $12xy$

D $4x^2 + 3y^2$

