

Name: \_\_\_\_\_  
Date: \_\_\_\_\_ Hour: \_\_\_\_\_

### Like Terms Worksheet

Use different colors to identify the like terms in the lists below.

1)  $6b$        $5x^2$        $4x^3$        $b/2$        $x^2$        $2b$

2)  $12a^2$        $4x^3$        $b$        $4a^2$        $3.5x^3$        $5/6b$

3)  $2b$        $b^6$        $b$        $x^4$        $3b^6$        $2x^4$

4)  $6$        $2n$        $3n^2$        $6m^2$        $n^2/4$        $7$

Simplify the algebraic expressions by combining the like terms.

5)  $5x + 3x$

6)  $6a^2 - a^2 + 16$

7)  $4a^2 + 5a + 14b$

8)  $5n + 6b + 6b + 5n$

9)  $3a + 2b + 5a$

10)  $y + 4 + 2x + 3y$

11)  $5b + 7b + 10$

12)  $q^2 + 2q + 2q^2$

13)  $a + 2b + 2a + b + 2c$

14)  $18 + 2d^3 + d + 3d$

15)  $3a + 3a + 2n + 2n + 5a$

$$5) 5x^3 + 3y + 7x^3 - 2y - 4x^2$$

$$6) 45x - 37y + 87$$

$$7) 3a^2 + 5b + 11b^2 - 4b + 2a^2$$

$$8) b + h + b + h$$

$$9) 2(a + 2a^2) + 2b$$

$$10) 2x + 3 + 3x + 2 + x$$

$$11) 3x + 2x + 5$$

$$12) 2y^2 + 4y^2 + 8 + 3$$

$$13) 2y + 3y + 2y^2 + 4x$$

$$14) 3(x + 5) - 7x - 1$$