

Simplify the Exponents  
Multiply

Name: \_\_\_\_\_

**Exponents**

**Worksheet # 5**

1.)  $4y^3 \times x^2y^3$

2.)  $6x \times xy^2$

3.)  $yx^3 \times 3y$

4.)  $4yx^3 \times 5x^3y^2$

5.)  $6x^3y^2 \times xy^3$

6.)  $xy \times 6x^2y^2$

7.)  $6x^3y^2 \times xy^3$

8.)  $3xy \times 3x^2y^2$

9.)  $4y \times 4y^2$

10.)  $6x^3y^3 \times 3yx^3$

**Exponents**

**Worksheet # 5 ANSWERS**

$$1.) \quad 4y^3 \times x^2y^3 \\ = 4y^6x^2$$

$$2.) \quad 6x \times xy^2 \\ = 6x^2y^2$$

$$3.) \quad yx^3 \times 3y \\ = 3yx^3$$

$$4.) \quad 4yx^3 \times 5x^3y^2 \\ = 20y^3x^6$$

$$5.) \quad 6x^3y^2 \times xy^3 \\ = 6x^4y^5$$

$$6.) \quad xy \times 6x^2y^2 \\ = 6x^3y^3$$

$$7.) \quad 6x^3y^2 \times xy^3 \\ = 6x^4y^5$$

$$8.) \quad 3xy \times 3x^2y^2 \\ = 9x^3y^3$$

$$9.) \quad 4y \times 4y^2 \\ = 16y^3$$

$$10.) \quad 6x^3y^3 \times 3yx^3 \\ = 18x^6y^4$$