

Simplify the Exponents  
Multiply

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

**Exponents**

**Worksheet # 4**

1.)  $6n^2 \times n^2 \times 5n^2$

2.)  $4n^2 \cdot 6n^3 \cdot 4n$

3.)  $4n \times 5n^2$

4.)  $5n \times 6n$

5.)  $4n^3 \times 5n^2$

6.)  $3x^3 \times 4x^2 \times 2x^3$

7.)  $4n^2 \times 4n^2$

8.)  $6a^2 \times 4a^3b^3$

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

10.)  $3x^2 \times x^3y^3$

Simplify the Exponents  
Multiply

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

**Exponents**

$$1.) \quad 6n^2 \times n^2 \times 5n^2 \\ = 30n^6$$

$$3.) \quad 4n \times 5n^2 \\ = 20n^3$$

$$5.) \quad 4n^3 \times 5n^2 \\ = 20n^5$$

$$7.) \quad 4n^2 \times 4n^2 \\ = 16n^4$$

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

**Worksheet # 4 ANSWERS**

$$2.) \quad 4n^2 \cdot 6n^3 \cdot 4n \\ = 96n^6$$

$$4.) \quad 5n \times 6n \\ = 30n^2$$

$$6.) \quad 3x^3 \times 4x^2 \times 2x^3 \\ = 24x^8$$

$$8.) \quad 6a^2 \times 4a^3b^3 \\ = 24a^5b^3$$

$$10.) \quad 3x^2 \times x^3y^3 \\ = 3x^5y^3$$