

Simplify the Exponents  
Multiply

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

**Exponents**

**Worksheet # 1**

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

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

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

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

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

6.)  $n^2 \times 3n^2 \times n^2$

7.)  $6n^2 \times 3n^2 \times 6n^2$

8.)  $3n^2 \times 3n \times n$

9.)  $4n^3 \times 2n^2$

10.)  $4x \times 6x^2$

Simplify the Exponents  
Multiply

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

**Exponents**

**Worksheet # 1**

**Answers**

$$\begin{aligned} 1.) \quad & 5x \times 6x^2 \\ & = 30x^2 \end{aligned}$$

$$\begin{aligned} 2.) \quad & 6x^3 \times 3x \\ & = 18x^3 \end{aligned}$$

$$\begin{aligned} 3.) \quad & 6x^3 \times 2x^2 \\ & = 12x^5 \end{aligned}$$

$$\begin{aligned} 4.) \quad & 6x \times 3x^2 \\ & = 18x^3 \end{aligned}$$

$$\begin{aligned} 5.) \quad & 6x^3 \times 6x^2 \times 3x^3 \\ & = 108x^8 \end{aligned}$$

$$\begin{aligned} 6.) \quad & n^2 \times 3n^2 \times n^2 \\ & = 3n^6 \end{aligned}$$

$$\begin{aligned} 7.) \quad & 6n^2 \times 3n^2 \times 6n^2 \\ & = 108n^6 \end{aligned}$$

$$\begin{aligned} 8.) \quad & 3n^2 \times 3n \times n \\ & = 9n^4 \end{aligned}$$

$$\begin{aligned} 9.) \quad & 4n^3 \times 2n^2 \\ & = 8n^5 \end{aligned}$$

$$\begin{aligned} 10.) \quad & 4x \times 6x^2 \\ & = 24x^3 \end{aligned}$$