**Evaluating Numeric Expressions Guided Notes**

A \_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_ consists of one or more numbers and operations. It represents a single value.

Examples:

2 + 3 4 + 8 – 2 x 3

We use order of operations to evaluate numerical expressions.

Order of Operations

1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Example 1: Simplify 3 x (2 + 6)2

Example 2: Simplify 78 - $2^{3}$ ÷ 4

Example 3: Simplify $6^{3 }$÷ (2 x 6) + 64

Practice

Simplify.

1. 2 x ($4^{2}-5)$
2. (10 – 7)4 x 3
3. $10^{4}$ ÷ 1000 + 12