**Algebra I Sect. 1-2: Exponents & Order of Operations Date:\_\_\_\_\_\_\_**

**Objective:** Students will be able to simplify mathematical expressions by applying the order of operations.

74 🡨 this whole thing is called a: \_\_\_\_\_\_\_\_\_\_

7 🡪 \_\_\_\_\_\_ 4 🡪 \_\_\_\_\_\_

What does each equal? $x=3$

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

Order of Operations: PEMDAS

1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

4. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Simplify using order of operations WITHOUT A CALCULATOR.

1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

2. Simplify. \_\_\_\_\_\_\_\_ Why can’t you just divide 8 by 4?

3. Simplify each.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

4. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

5. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

6. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

7. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_