

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

Date: \_\_\_\_\_

## Math 9 Journal Entries

### Learning Guide 2 Expectation 1

**Expectation 1: Using exponents to describe numbers.**

A. Write down in your own words the definition of a **power** below:

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B. Write down two examples of **powers** showing each **base** and **exponent** below:

1 \_\_\_\_\_

2 \_\_\_\_\_

### Learning Guide 2 Expectation 2

**Expectation 2: Exponent laws.**

**Very Important Reminder:**

Remember to use the correct exponent laws **for all your calculations.**

A. Write down one example of using each of the following four exponent laws using your own numbers.

1 Multiplying powers \_\_\_\_\_

2 Dividing powers \_\_\_\_\_

3 A power raised to an exponent \_\_\_\_\_

4 Power of zero \_\_\_\_\_

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

### Learning Guide 2 Expectation 3

**Expectation 3: Order of operations.**

**Very Important Reminder:**

Remember to **always** use the correct order of operations when you calculate or evaluate expressions using **BEDMAS** (**B**rackets, **E**xponents, **D**ivision, **M**ultiplication, **A**ddition, **S**ubtraction).

Complete the following questions, showing your order of operations clearly (step by step):

1)  $6^0 + 3(2^3)$

2)  $(-4 + 2)^3 + (-3)^2$

3)  $12^1 - 3^2 + (4^2 \div 2^4)$