**Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Class: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**M8-U6: HW #1 – Exponent Operations: vocab, like bases, non like bases, power to a power, evaluating Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Directions: Rewrite each item as an equivalent expression in exponential notation.**

**1)** ****  **2)** ****

**3)** ** 4)** ****

**5)** ****  **6)** ****

**7)** **** **8)** ****

**9)** **** **10)** 

**11)**  **12)** ****

Write the following algebraic problems in exponential notation.

**13)** ** 14)** ****

**15)** ** 16)** ****

Tell whether each statement is correct or incorrect, explain.

**17)** **** **18)** ****

**19)** **** **20)** ****

**21)** **** **22)** ****

**Evaluate the following when , **

**23)  24) **