Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ **Assignment #2**

Directions: WATCH THE YOUTUBE VIDEO LINK. YOU ONLY HAVE TO WATCH THE SECOND HALF(9:08-13:55), THEN COMPLETE THIS WORKSHEET. Due Friday, April 17th by 3:00.

**Scientific Notation to Standard Notation Notes**

**To write a number in standard notation:**

**1. Use the exponent to determine which way how how many times you move the decimal**

**2a. If the exponent is NEGATIVE, move the decimal to the LEFT and add zeros where and if needed**

**2b. If the exponent is POSITIVE, move the decimal to the RIGHT and add zeros where and if needed**

**3. Move the decimal point the number of times the exponent says to**

**4. Write the number you now have**

**EXAMPLES**

**1) Write 4.59 × 107 in standard form.**

**4.59 × 107 --------> 45,900,000**

**2) Write 2.14 × 10-3 in standard form.**

**2.14 × 10-3 --------> 0.00214**

**Complete the following for a grade:** \*Watch Youtube video for lesson

**Write each number in standard notation.**

17) 0.9 × 10-1 18) 2 × 10-1

19) 2 × 105 20) 804 × 102

21) 2.66 × 104 22) 1.5 × 10-2

23) 7.75 × 10-1 24) 8.3 × 107

25) 9.5 × 107 26) 1.71 × 105

27) 0.9 × 10-3 28) 38 × 102

29) 7.5 × 10-5 30) 4 × 100