SCIENTIFIC NOTATION WORD PROBLEMS

Name: _____ Grade: _____ Date: _____

INSTRUCTIONS: Answer ALL questions in the spaces provided. Be sure to SHOW ALL WORKING.

1. Mrs. Rolle's class is studying the solar system. The circumference of the Earth is about 24,900 miles. Express this number in scientific notation.

_____ x 10

2. The speed of light is approximately 6.71×10^8 miles per hour. Express this number in standard form.

_____

3. Earth is approximately 9.3×10^7 miles from the sun and Saturn is approximately 8.87×10^8 miles from the sun. Approximately, how much further is Saturn from the sun than Earth?

ENTER WORKING HERE

_____ x 10

4. A factory can make 3×10^4 t-shirts in a day. How many t-shirts can the factory make in 2.5×10^2 days?

ENTER WORKING HERE

_____ x 10

5. John normally drives 3×10^1 miles every day. Today, however, he has to drive Knoxville, Tennessee which is 3×10^2 miles away. How many times greater did John have to drive today than on a normal day?

ENTER WORKING HERE

_____ x 10

LIVEWORKSHEETS