

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

Tuesday Homework

Scientific Notation #1-14

**Directions:** For Numbers 1 through 5, write each number in scientific notation.

1. 67,011 \_\_\_\_\_

2. 9,521.33 \_\_\_\_\_

3. 2,066 \_\_\_\_\_

4. 0.0008549 \_\_\_\_\_

5. 0.0000901 \_\_\_\_\_

**Directions:** For Numbers 6 through 10, write each number in standard form.

6.  $7.214 \times 10^5$  \_\_\_\_\_

7.  $5.00024 \times 10^4$  \_\_\_\_\_

8.  $1.02 \times 10^8$  \_\_\_\_\_

9.  $4.00961 \times 10^{-4}$  \_\_\_\_\_

10.  $6.162 \times 10^{-6}$  \_\_\_\_\_

**Directions:** For Numbers 11 through 14, write each number in standard form or scientific notation.

11. The state of Arizona is about 114,000 square miles. How is 114,000 written in scientific notation?

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12. Sound travels 20 feet through water in about 0.00412 seconds. How is 0.00412 written in scientific notation?

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13. In 2006, the population of Arizona was about  $5.13 \times 10^6$  people. How is  $5.13 \times 10^6$  written in standard form?

\_\_\_\_\_

14. The speed of light is approximately  $3 \times 10^8$  meters per second. How is  $3 \times 10^8$  written in standard form?

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