Name _____

Date _____ Period _____

MODULE 2 **Scientific Notation**

Study Guide

1. Which number is equal to 6×10^4 ?

   A 60   C 60,000

   B 64

2. Which is the correct power to change 2,300,000 into scientific notation?

   2,300,000 = 2.3 × ____

   A 10^5 C 10^7

   B 10^6

3. In 9.3×10^8 the exponent is a positive number. Which of these describes this value of a number in scientific notation that includes a positive exponent?

   A negative

   B very small

   C very large

4. What is 8.0×10^{-6} inches in standard notation?

   A 0.000008 inch

   B 0.00008 inch

   C 0.0008 inch

5. Solve and write your answer in scientific notation.

   (4.4×10^2) x (2.2×10^3)

   _____

6. Write your answer in scientific notation.

   $(5.7 \times 10^3) - (3.4 \times 10^2)$

   _____

7. Write your answer in scientific notation.

   $(8.9 \times 10^4) + (1.4 \times 10)$

   _____

8. Write your answer in scientific notation.

   $(8.8 \times 10^4) \div (2.2 \times 10^2)$

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