

## HW39

Date \_\_\_\_\_ Period \_\_\_\_\_

**Write each number in scientific notation.**

1) 400

2) 86000

3) 0.97

4) 1100

**Write each number in standard notation.**

5)  $8.3 \times 10^3$

6)  $3.1 \times 10^4$

7)  $7 \times 10^9$

8)  $8 \times 10^4$

**Simplify. Write each answer in scientific notation.**

9)  $(4.5 \times 10^{-2})(5.5 \times 10^0)$

10)  $(9.9 \times 10^{-4})(9.5 \times 10^1)$

11)  $(9.6 \times 10^4)(4 \times 10^{-6})$

12)  $(2 \times 10^{-6})(3.91 \times 10^2)$

13)  $(7.5 \times 10^6)(6 \times 10^4)$

14)  $(8.3 \times 10^1)(4 \times 10^6)$

15)  $\frac{4.8 \times 10^1}{4.3 \times 10^4}$

16)  $\frac{4.3 \times 10^3}{8.95 \times 10^{-2}}$

17)  $\frac{4.78 \times 10^5}{5.9 \times 10^{-5}}$

18)  $\frac{9.1 \times 10^1}{7.8 \times 10^1}$

19)  $\frac{6.77 \times 10^0}{5.59 \times 10^{-1}}$

20)  $\frac{1.46 \times 10^{-5}}{6.72 \times 10^0}$