

Name \_\_\_\_\_

Date \_\_\_\_\_

## Homework #4 - Due Friday 10/5

**1-5 Directions:** Write each number in scientific notation.

1. 4,400

2. 75,000

3. 69,900,000

4. 0.084

5. 0.0099

**6-10 Directions:** Write each number in standard form.

6.  $9.03 \times 10^2$

7.  $7.89 \times 10^3$

8.  $4.115 \times 10^5$

9.  $5.1 \times 10^{-2}$

10.  $7.7 \times 10^{-5}$

**11-15 Directions:** Write each number in correct scientific notation.

11.  $34.5 \times 10^7$

12.  $192.75 \times 10^{-4}$

13.  $0.63 \times 10^4$

14.  $0.0783 \times 10^{-5}$

15.  $80 \times 10^{23}$

**16-23 Directions:** Complete the computations. Express your answer in scientific notation.

16.  $(7.3 \times 10^8) (2.4 \times 10^3)$

17.  $(4.5 \times 10^3) (1.6 \times 10^5)$

18.  $\frac{(8.64 \times 10^6)}{(4.32 \times 10^3)}$

19.  $\frac{(2.144 \times 10^7)}{(3.2 \times 10^4)}$

20.  $(8.9 \times 10^9) + (4.2 \times 10^6)$

21.  $(9.5 \times 10^{11}) + (6.3 \times 10^9)$

22.  $(1.03 \times 10^9) - (4.7 \times 10^7)$

23.  $(9.64 \times 10^8) - (5.29 \times 10^6)$