

Name \_\_\_\_\_

## Scientific Notation

Convert the following numbers to scientific notation:

1) 365 \_\_\_\_\_

4) 0.023 \_\_\_\_\_

2) 50467000 \_\_\_\_\_

5) 0.00603 \_\_\_\_\_

3) 12.01 \_\_\_\_\_

6) 0.38 \_\_\_\_\_

Convert the following numbers from scientific notation:

7)  $4.32 \times 10^3$  \_\_\_\_\_

10)  $5.81 \times 10^{-2}$  \_\_\_\_\_

8)  $2.50 \times 10^0$  \_\_\_\_\_

11)  $9.8 \times 10^{-1}$  \_\_\_\_\_

9)  $5.07 \times 10^6$  \_\_\_\_\_

12)  $1.62 \times 10^{-5}$  \_\_\_\_\_

Convert the following numbers to proper scientific notation:

13)  $65.4 \times 10^{-4}$  \_\_\_\_\_

16)  $0.03 \times 10^3$  \_\_\_\_\_

14)  $0.01 \times 10^{-1}$  \_\_\_\_\_

17)  $0.35 \times 10^1$  \_\_\_\_\_

15)  $246.2 \times 10^{23}$  \_\_\_\_\_

18)  $76.53 \times 10^{-14}$  \_\_\_\_\_

Complete the following calculations without using a calculator!

19)  $1.3 \times 10^{-3} + 9.2 \times 10^{-3}$  \_\_\_\_\_

20)  $6.6 \times 10^2 - 3.5 \times 10^3$  \_\_\_\_\_

21)  $4.3 \times 10^4 + 3.3 \times 10^5$  \_\_\_\_\_

22)  $7 \times 10^2 \times 6 \times 10^3$  \_\_\_\_\_

23)  $3 \times 10^{-1} \times 4 \times 10^4$  \_\_\_\_\_

24)  $9 \times 10^3 / 3 \times 10^2$  \_\_\_\_\_

25)  $6 \times 10^{-3} / 2 \times 10^{-2}$  \_\_\_\_\_

26)  $4 \times 10^{-2} / 2 \times 10^4$  \_\_\_\_\_

27)  $5 \times 10^{-2} \times 8 \times 10^{-3}$  \_\_\_\_\_