

## Scientific Notation

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

Express each number in correct scientific notation:

1. 0.00374
2.  $64.604 \times 10^7$
3.  $0.0000142 \times 10^1$
4.  $843 \times 10^5$
5.  $0.00212 \times 10^{12}$
6. 49000.3
7.  $17645 \times 10^{-15}$
8. 1200
9.  $0.06627 \times 10^{-25}$
10. 17645
11.  $94.00 \times 10^6$
12.  $0.00839 \times 10^2$
13.  $9204 \times 10^5$
14.  $0.00266 \times 10^3$
15. 4063.89

Complete the following problems. You must write your answers in scientific notation.

1.  $(7.6 \times 10^{-6})(6.0 \times 10^9)$

2.  $\frac{1.26 \times 10^{-6}}{6.0 \times 10^8}$

3.  $8.9 \times 10^7 + 2.1 \times 10^5$

4.  $3.29 \times 10^4 - 1.21 \times 10^5$

5.  $(6.6 \times 10^{-34})(3.0 \times 10^8)$

6.  $\frac{4.74 \times 10^6}{2.0 \times 10^{12}}$

7.  $(3.0 \times 10^{-4})(4.6 \times 10^{-9})$

8.  $\frac{2.0 \times 10^6}{4.0 \times 10^{-3}}$

9.  $(4.0 \times 10^{-9})^3$

10.  $(3.9 \times 10^{19})(2.1 \times 10^{-9})$

11.  $\frac{2.6 \times 10^{-4}}{2.0 \times 10^{-6}}$

12.  $(6.022 \times 10^{23})(3.000)$