

## Scientific Notation - In Class Practice

1. Write the following numbers in scientific notation.

a.  $2.145 \times 10$

e.  $5,000,000,000$

b.  $0.002$

f.  $0.00000750$

c.  $345000$

g.  $27$

d.  $0.000345$

h.  $0.002973$

2. Write the following numbers in decimal (nonexponential) notation.

a.  $3 \times 10^{-5}$

d.  $8.2 \times 10^0$

b.  $7.2 \times 10^{-3}$

e.  $2.98 \times 10^2$

c.  $5.0 \times 10^{-7}$

f.  $2.980 \times 10^{-2}$

3. Calculate the following.

a.  $(2 \times 10^3)(4.0 \times 10^{-6}) =$

b.  $(8.0 \times 10^3)(4.0 \times 10^9) =$

c.  $\frac{2 \times 10^3}{4.0 \times 10^{-6}} =$

d.  $\frac{8.0 \times 10^3}{4.0 \times 10^9} =$

e.  $\frac{(5.8 \times 10^{-7})}{4 \times 10^{-6}} (2 \times 10^4) =$