CHEMISTRY
WORKSHEET 1a. Name: _____

1._Write each of the following in standard scientific notation:

a) .000364

b) 3,946

c) 5102×10^{-10}

d) 862.01

e) .000161

f) 2099

2._Write each of the following in ordinary decimal notation:

a) 4.62×10^{4}

b) 3.102×10^{-10}

c) 9×10^{5}

d) 523×10^{-5}

3._Round off each of the following as specified, and express in scientific notation:

0.0003684 to 2 significant figures

38592 to 3 sig. figs.

3.1415926535 to 4 sig. figs.

4._ How many significant figures are there in each of the following?

a. 5782×10^{-10}

b. 6.07×10^{-15}

c. 0.003480

d. 5×10^{8}

e. 172.5068

f. 16.00

g. 300

h. 301

i. 300.