Ch1/ Worksheet- 2 Significant Figures **Name: _____**

1) Write the following in exponent form and rounding off to 3 significant figures.

10,000	50,000	0.000004
0.0001	2,000,000,000	0.6200
10,000,000,000	0.000197	328,500
76,450	0.9410	3005

2) Write the following numbers in the "long form":

3.2×10^{-2}	14.3×10^{2}	4.3×10^{3}
6.854×10^{9}	9.065×10^{-4}	5×10^{-6}

3) Carry out the following calculations:

Addition and subtraction	Multiplication Division
a) 3.461728 + 14.91 + 0.980001 + 5.2631 =	a) 6305/0.010 =
b) 23.1 + 4.77 + 125.39 + 3.581 =	b) 12.5 x 75 =
c) 22.101 - 0.9307 =	c) $(6.78 \times 10^{-4}) \times (1.4 \times 10^{2})$ =
d) 0.04216 - 0.0004134 =	d) (6.432 + 83)/2.143 =
e) 564,321 - 264,321 =	e) (6.432 + 83.42)/2.14 =
	f) 14.3 + (12.2 x 2.0) =