

Ch1/ Worksheet/Significant Figures/Rounding Off/Exponents/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^{14}	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) $12.5 \times 75 =$
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) $14.3 + (12.2 \times 2.0) =$