SIERRA COLLEGE	MECH 10 - Class 03 Exercise 01 - Engineering Notation	Mechatronics Real Skills Real Jobs
Name Cayce Beames		

Learning Objectives

- Apply powers of ten to large and small values
- Apply engineering notation, narrative and acronyms to large and small values
- Practice calculator keystrokes using engineering notation
- Apply significant figures to calculated values

Fill in the blanks in the tables following the examples given in row 1.

	Decimal Number	Engineering Notation 4 Sig Figs	Calculator Keys	Spoken Term	Abbreviation
1	0.010	10.00 E-3	10 EE (-) 3	Ten milli	10 m
2	.00001	10.00 E-6	10 EE(-) 6	Ten micro	10µ
3	.0001	100.00 E-6	100 EE (-) 6	One Hundred Mico	100µ
4	.000000005	5.000 E-9	5 EE (-) 9	5 nano	5n
5	0.000000001	1.000 E-9	1 EE (-) 9	One nano	1n
6	4700	4.700 E3	4.7 EE 3	four point seven kilo	4.7k
7	10,000,000	10.00 E6	10 EE 6	Ten mega	10M
8	500,000,000	500.0 E6	500 EE 6	500 Mega	500M
9	25,000,000,000	25.00 E9	500 EE 9	25 Giga	25G
10	125,000,000,000	125.0 E9	125 EE 9	125 Giga	125G
11	2,500,000,000,000	2.500 E12	2.5 EE 12	Two point five tera	2.5T
12	.00000000000001	.0100 E-12	.01 EE (-) 12	pont zero one pico	.01p
13	25000	25.00 E3	25 EE 3	25 kilo	25k
14	100,000,000	100.0 E6	100 EE 6	One hundred mega	100M