

1st semester Formula Sheet - Physics (in ink, no erasures)

Class Mods: _____

Name: _____

Mr. Forrest: 2020-2021

Unit	Length
kilometer (km)	1,000 m (1 X 10 ³ m)
meter (m)	1 m
centimeter (cm)	0.01 m (1 X 10 ⁻² m)
millimeter (mm)	0.001 m (1 X 10 ⁻³ m)
micrometer (μm)	0.000001 m (1 X 10 ⁻⁶ m)
nanometer (nm)	0.000000001 m (1 X 10 ⁻⁹ m)
gigameter (Gm)	1,000,000,000 m (1 x 10 ⁹ m)

CONVERSION FACTORS:

1.00 kg = 2.20 lbs.	1.8°F = 1.0°C
1.00 inch = 2.54 cm	0°C = 32°F = 273 K
1.00 gallon = 3.78 liters	1.0 mile = 5,280 feet
1.00 cm ³ = 1.00 mL = 1.00 gram (of water)	

$$\% \text{ error or } \% \text{ uncertainty} = \left\{ \frac{(\text{Observed} - \text{accepted})}{\text{Accepted}} \right\} * 100$$

