**Pressure and Depth Relationship**

Ptotal = Patmosphere + (r \* g \* h)

r = density of the fluid

g = acceleration due to gravity

h = heigth of the fluid above the object

The density of sea water (r) is 1.03 X 10^3 kg/m^3 and the atmospheric pressure (Patmosphere) is 1.01 x 105 N/m^2

P total is the measured pressure from the sensor

1 Pascal = 1 N/m^2; g = 9.8 m/s^2

h will be measured in meters