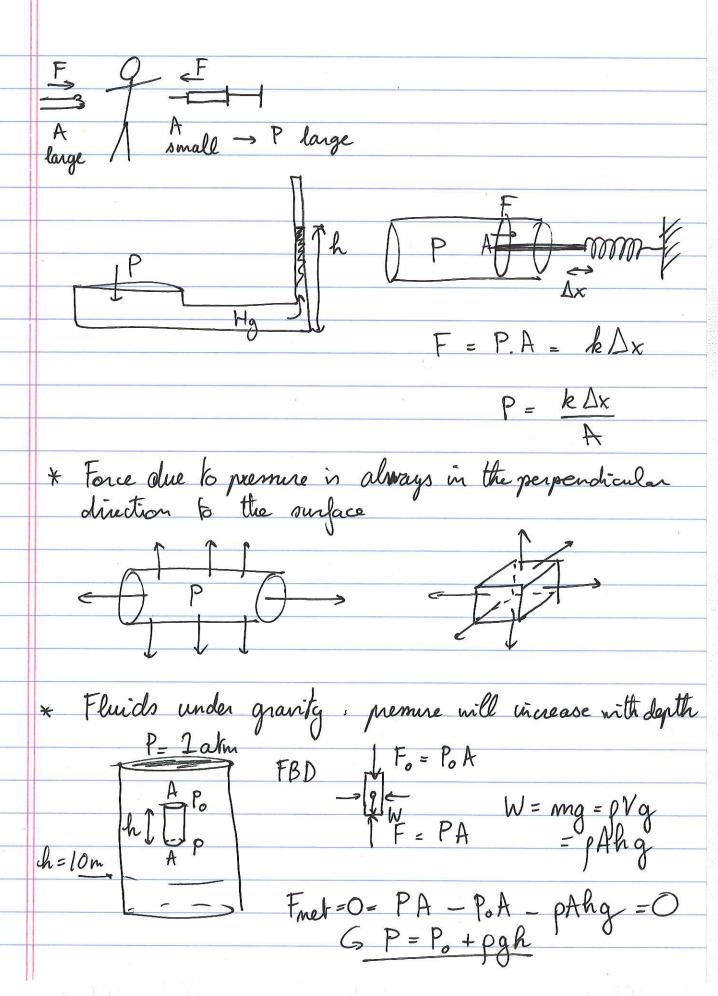
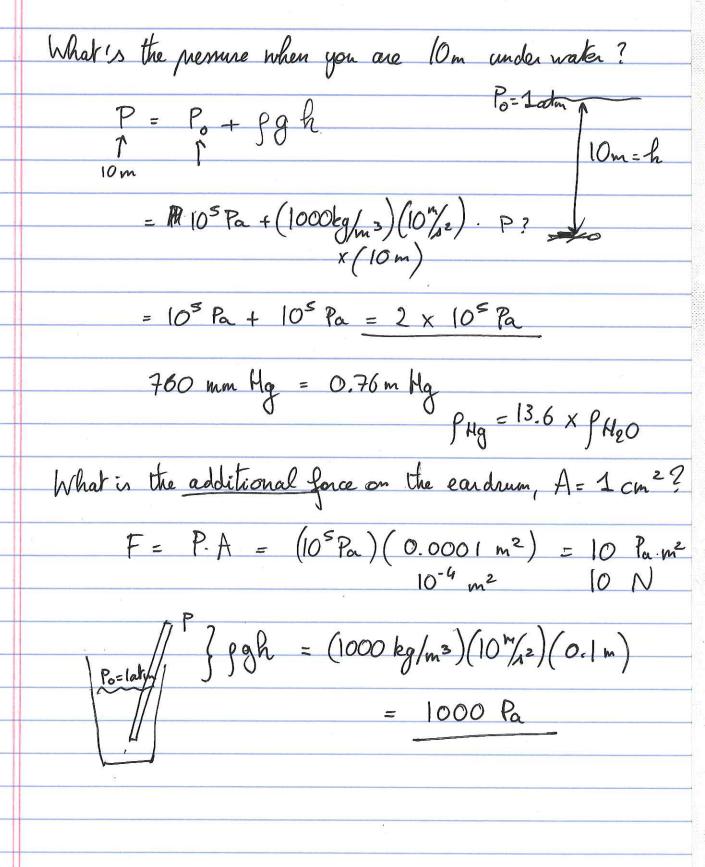


Alternate definitions of donoity:
s.g. = specific gravity = \(\int \) ice has s.g. = 0.92
An object will float if folget & fliquid - ice floats in water
* Pressure:
P = F = force in unit N = Pa, Pescal
Blaise Paocal, 1623-1662, French math/phys/phil/inventor - first mechanical calculator - hydraulic pres
Other units of pressure: 4 alm = 101.3 kPa = 1.018 x (105 Pa) ±0.07 x 10
1 atm = 14.7 lbs/in2 (pri) = 760 Ton = 760 mm Mg = 1.013 lan
A smaller area with the same force - larger pressu
WF F F F Very small A





* Pascal's principle:

Pressure everywhere at same depth will be the same.

$$P = P_0 = 1 \text{ atm}$$
 $P = P_1$
 $P = P_1$

