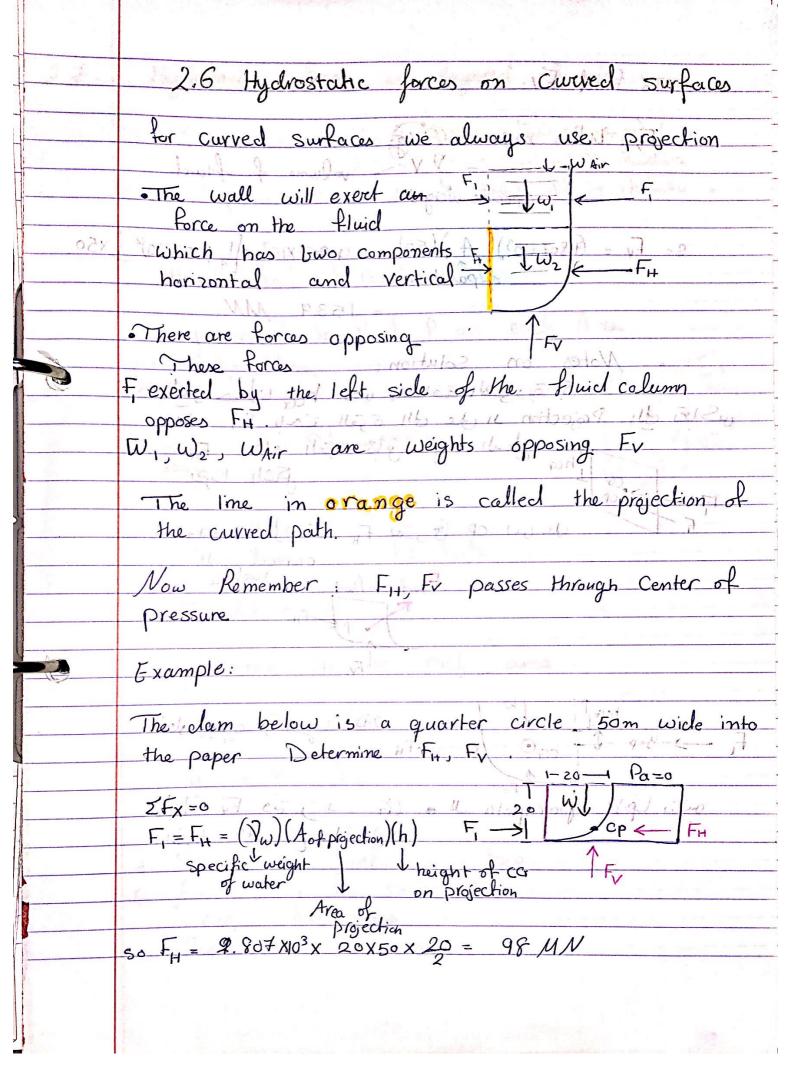
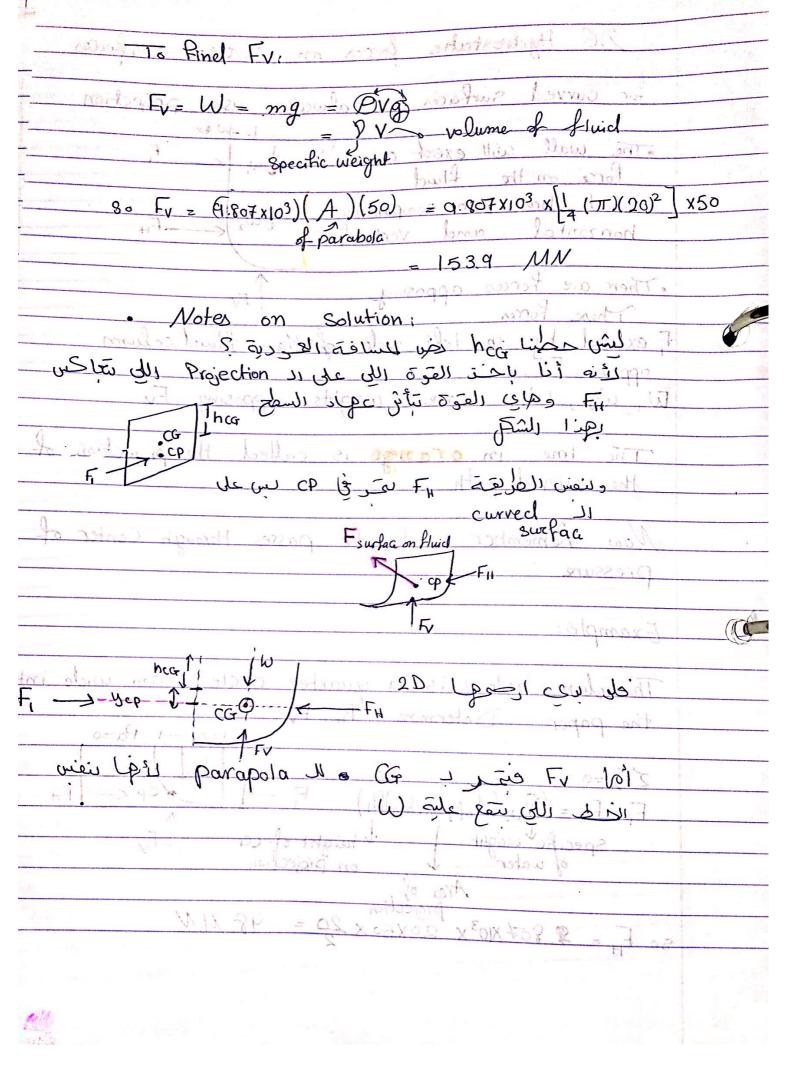
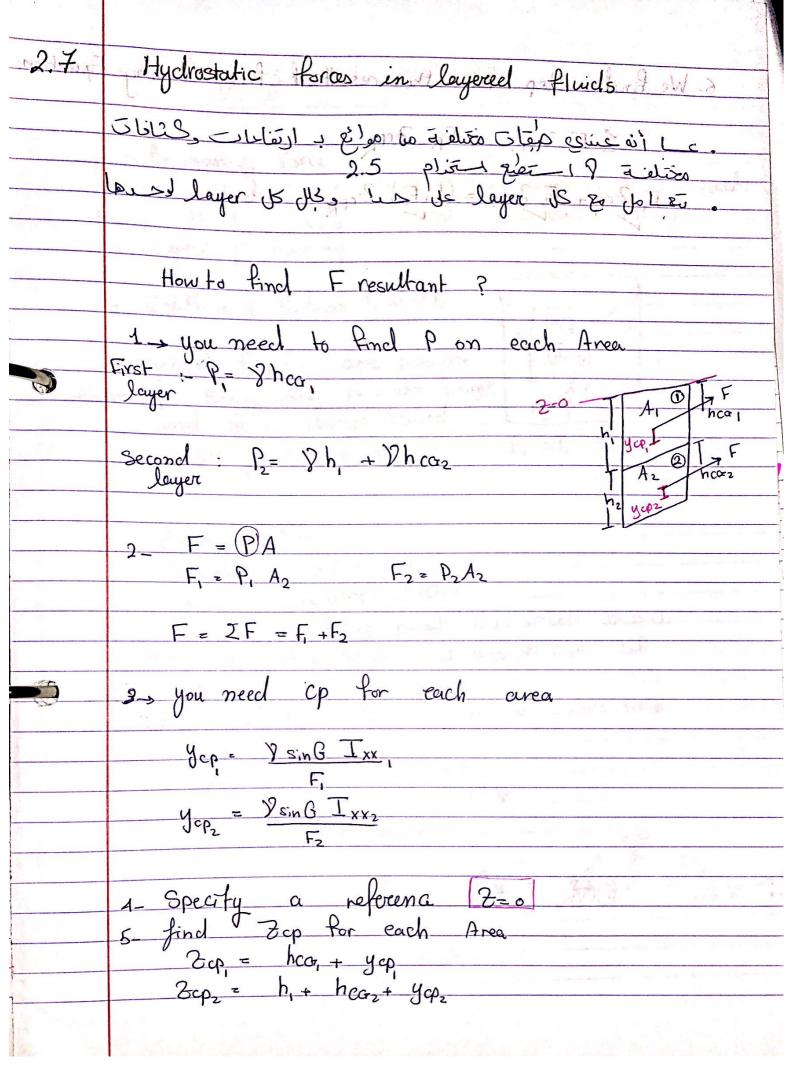


2.5: hydrostatic forces on plane surfaces
Force on Body From water and alm is  F=PCa A  Cp CG
where: A is the Area of Body  PCG = Pwat + Patm - 8 her + Pa  Where: Ixx is moment around
y = -8 sinG Ixx where: Ixx is moment around  Y-aixis Body  X-p = -8 sinG Ixy  PCG-PT  G: Between surface and  Bocky.
Body.  Body.  Body.  Then Xcp = 0  and cp lies under Ca Directly
CG Ucp Cp
Now: a special case: if Palm=0  Then PcGr = P Gruage only
y= - Txx sin 6 ycp = -Txy sin 6 hcg. A







6- We find Exp for the resultant fora using Equations

