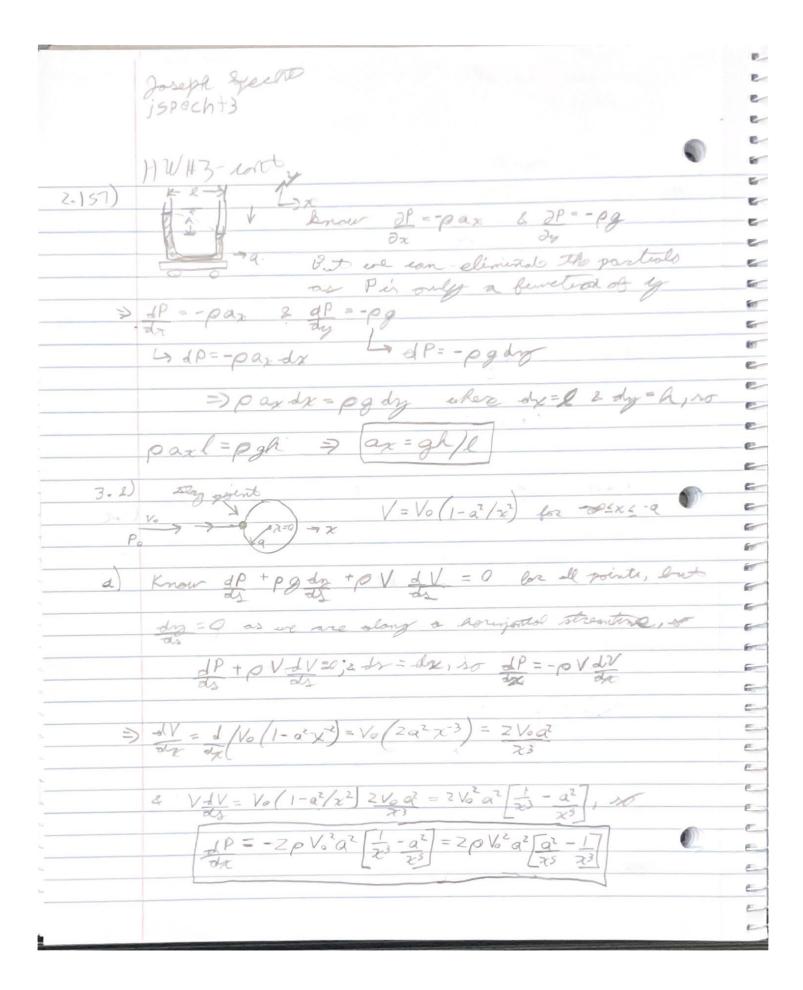
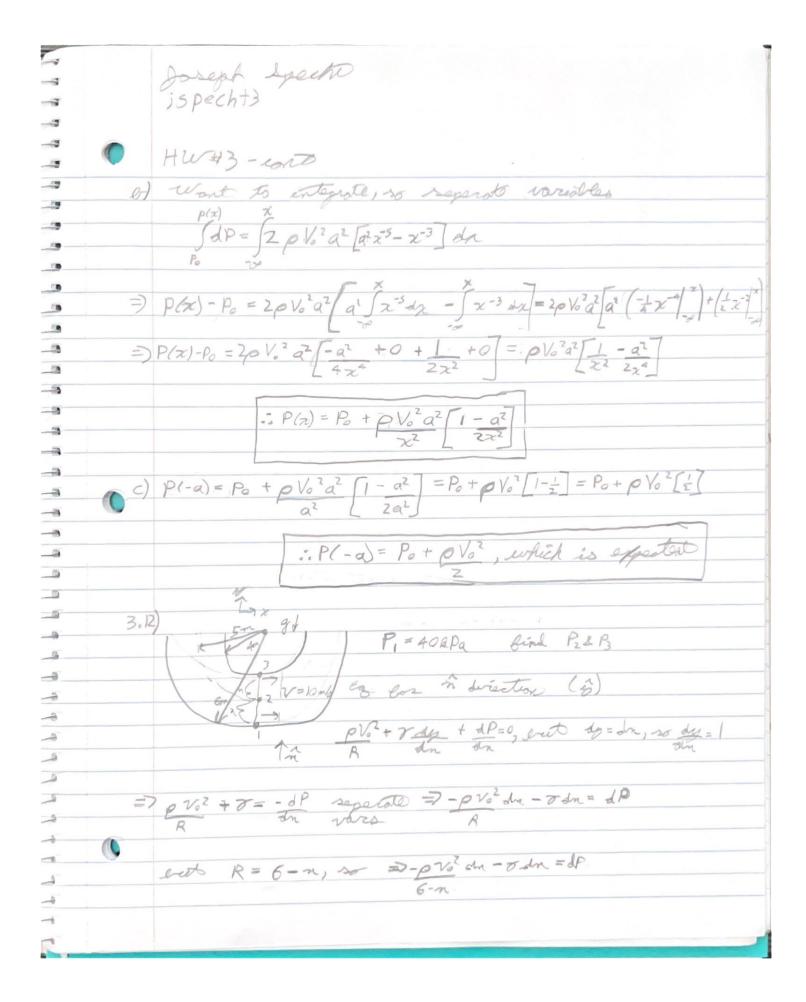


Joseph Sysett HW#3-conto 2-133) -3 % underwater = Ti/Tu = 89.46% 8 = 1.025 Know from previous physics class Pa=-. Ipsi (8) 2.142) - 35 Ifo Fy=Fo=W=T(+cylic) - Douge Glued TFB W= TITIR R = 0 7 . 52.27 -(3) 58:15 > W= = > Pressure sedance @ Point & From left ride, Po= or (1'+2'+.5') = 3.5'> 22=1.5 Tw= 62.4 pla/823 -9 PA= - 1 pie = 144 pol . - 15 - 14 A pol From Right sinte, PB = 58(Jw)(2'+.5') + Jw(1') + PA = 282 pst => 222 prf=3.5 T => T=282 prf/3.51 = 20.57 cls/ft3 Plug lack into Bormalo Bore W & get W= I(80-57) = 126.56 lls -2 ... -





Joseph Specht 6 P(n) = Po + pvo ln (n-6) - 7n -P2=11.958 12Pa P3 = P(2) = 40 Rpa + 100 Rpa On (12-6) - 9.21.2 Rpa P3 = -20.167 BPa

1 Joseph Specket 1+W#3-eart x need general passers gradient in 2, ro - dP = pV2 + ody, ente dn=0, so --dP=pV2, and dn=-dr; so dP=pV2

In R -- 13 13 -55 -30 a) Pressure gradient w/ water, n=3 in, & V=.8 8/8

P= 1.94 slay/ft (.8 st) = 4.966 slugs
(25 gt) (8ts)2 -3 -3 -3 slug = [les s2/0], no 1 slug = 100 s (3) : dp = 4.966 els/st3 = nater 75 _6 -53 e) Pressure gradent u/air, 2=300 ft, V=200 pph=293.33 fps

pan

Al = .002377 reuse (293.33 fps) = .6217 slep

de 300 ft (8to)2 -9 -8 -5 : 1P = 6817 les = air 0 5 5 -5 0 -

