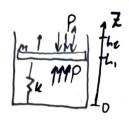
Thermodynamics

Will BUZIAL

Her 3



9:9.81 M/6 ? M=45kg A=1012 m hz= . 6 m hi= 4 m Pa=10,35 Pa

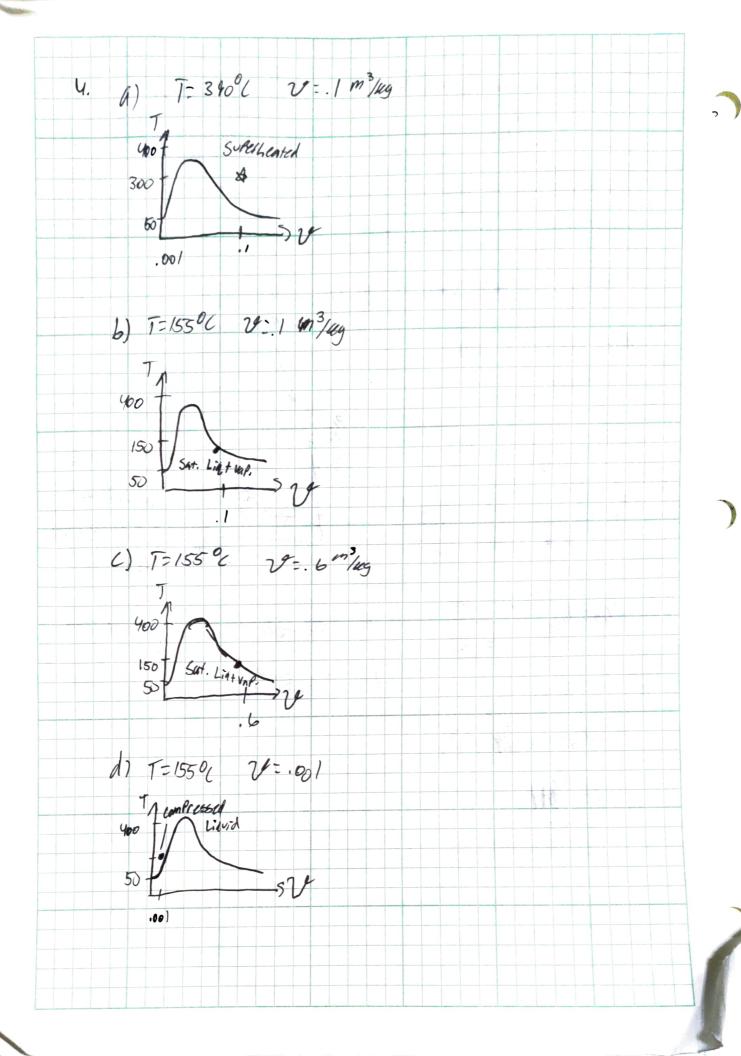
k = 2000 N/M Q=0

PA= 1.1 Atm VA = . 32 m3 P2=33; P,=11-7 P=22 V2=.16, V, =. 32 -7 V=. 64

2x2 - T(1) = 3.215

$$3.215/p.v = \frac{3.215}{2.21.64} = \frac{2.283}{2.21.64}$$

3. H=9500 UT P=300 WPA M=5Kg T=133.52 % -7 tack AS



T= 450 LC M2= ,5 LG MU= ,1 Kg = 176.85°C ML, f= ,51.77= ,35= ,6 MV, f= ,45 a) P = PSat @ 176 550 = 9, 347 4 UPa Pt: 213 UPa P = RT = 461.57 (450) = 9.35 MR PA = RT - ZB MA b) V= V+ Vg= .5 (.00/17/) + /(.2/659) = .0222195 Vf = 15/,001/21) + U5(2/659) - .09763365 DV=,075 m3 () W= Suz Pare = 9,347 (.00011) - 213 (.04763365) W = 186.89 WJ 5. V= . 1633 U= 3.1787 e 3 h= 3.5681 € 3 5= 7.6001