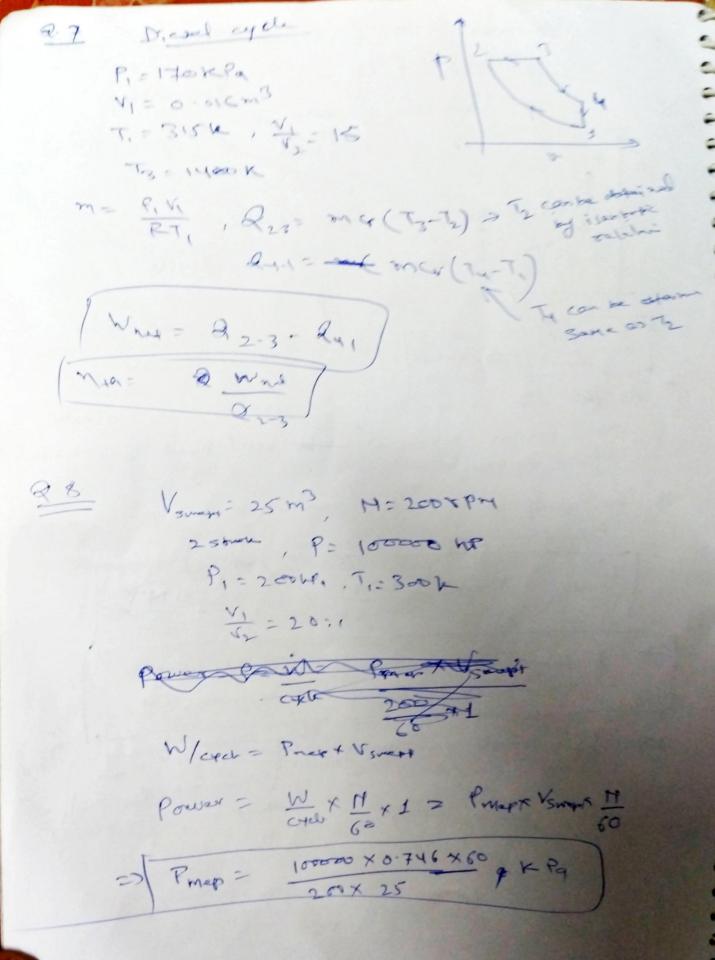
of cycle $\frac{215}{1}$ $\frac{1}{3}$ $\frac{$ For & Heat add" (b) not workdowed year (d) Pomer (A) Rad = 22-3 = macr (T3-5) using isentropic rot = T1 = (\frac{\sqrt{2}}{\sqrt{2}})^{1-1} => | Tz = T, x(V+) 2 823= mcv (T3-T2) = P,V, cv (T3-72) Whet = 223 - 244 = mCV (T3-3) - (T4-7.)} $\frac{T_{y}}{T_{3}} = \left(\frac{v_{3}}{v_{y}}\right)^{v-1} \Rightarrow \left[T_{y} = T_{3}\left(\frac{v_{3}}{v_{y}}\right)^{v-1} = T_{3}\left(\frac{v_{2}}{v_{y}}\right)^{v-1}\right]$ (c) n = Wrea 22-3 (d) = Propos Vanet = What => Propos What = What = What = Vival

4-stoobe - 4 cgl. Ic Engine d= 10 cm, L = 9 cm 15-0-16 M= 2400 TPN Otto ugde V1-45 = 110.5 Pi= 1 bor T, = 16°C T3 = 2616 C find Wyer cycle Work per -> What = Q2-3 - Quy -> Same as prevening can be found As the this is 4- Strobe Engine So, to generale one power stoke il will will need 2 seventins If we want to colcalite total work done journaled WH = What X 1 x 2400 X 4 = 211 NT * I think in class dixumma I did mistebe calculation of Torque. Pls Tymne that Total work done per cycle = [N = 4 x where] cycle = 4 (Por en



10 Picasora Tom=2000 T, = 27 = True = 300 K = T. ford Dotal Znegy dasher To go every decorate - To go Entropy belone our ds - mis - mis - - 5 = + p 51-el cycle > \$--[58] Exercy but = \$0 + \$ = -300 [mer(72-3) mer(74-3) 200 (42-40 = m) (42-40) + +6(12-40)-T. (9-5)