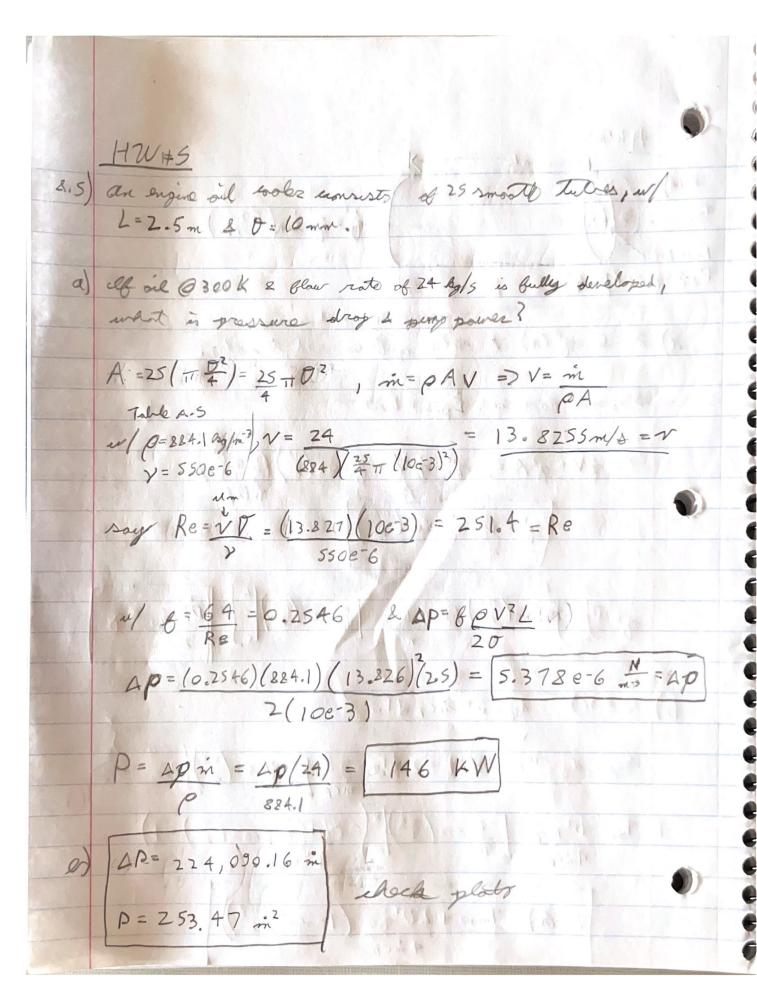
HW#S T(3)= U+E3+F32-843 (B) TS= H = 8 | 800 = H(A+2B3-3C5) == HA = -BB (E+2F-380) 50 = -BBE

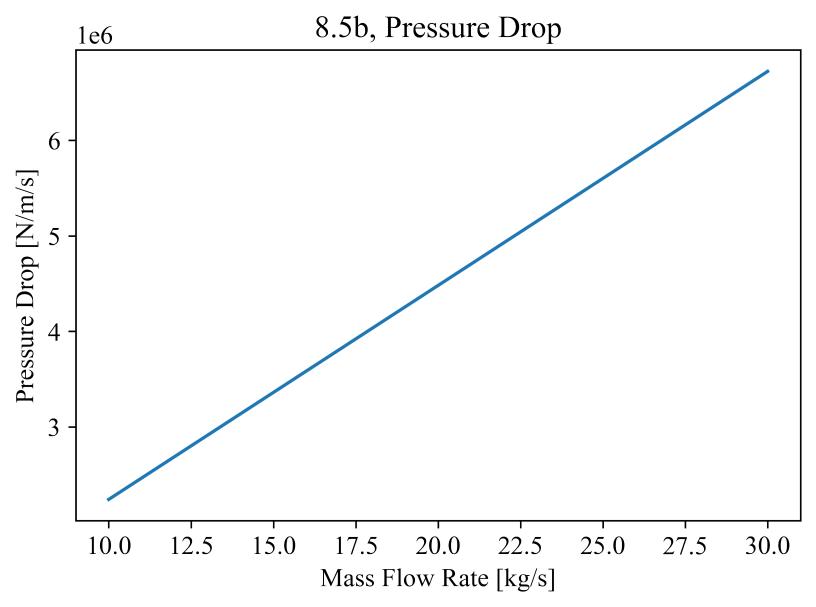
D-TO

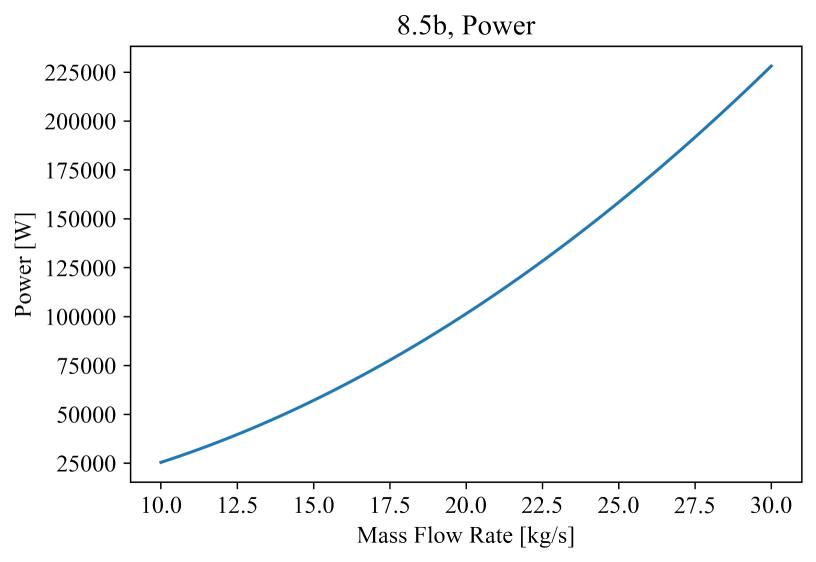
D-TO

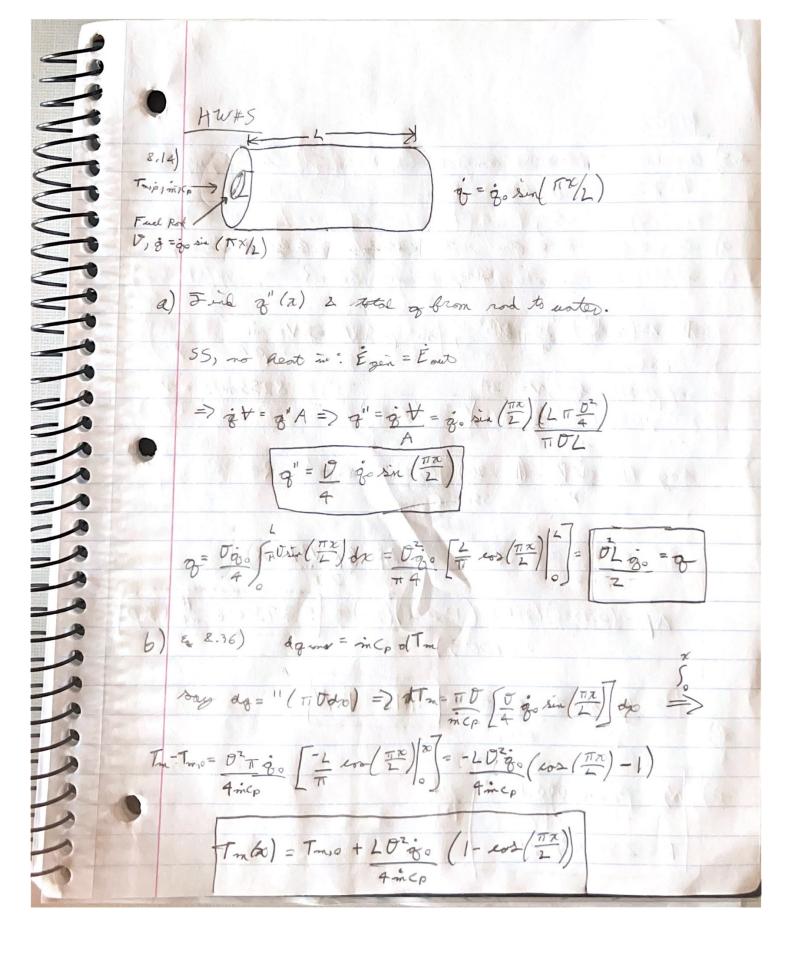
HW#5 6.3) BL temp distribution ~ T-Ts = 1- exp[-Pr 404] Pr=cpu/A=0.7, To=400K, T=300K, us/V=5000 1/m 0-T-T, => 0 = 1-app (-Pruox) => 0 = 00-000/0(-Pruox) 20 = 2T => 85 = - b of = - b of Prue exp(-Prue 0) => 9= =- B+ (On Prun) Table A.A, B= 26.3e-3 V/m·K 8;" = - (26.3e-3) (400K300K) (0.7) (5000 mi) = [-9205 /mi = 85]

the bebelone the teather than the teathe HW#5 A= 1 Salor = 1 Scx-1/2 dx = [ (2x1/2) = 2C L1/2 









HW#5 () Find exposition for Ts(x) of x slong tube. Exposition los x-los @ which temp is majed. neuttone for de looling: q"= li(Ts-Tm) => Ts = 9" + Tm = Vigo sin(Tx) + Tm10 + LO igo (1-20) (Tx) = Ts

4a 4a 4a take derestro est x ART POROL ES (T) + LOGO Sin (TX) =0  $= -LU\sin\left(\frac{\pi x}{L}\right) = \cos\left(\frac{\pi x}{L}\right) = 2\pi x \left(\frac{\pi x}{L}\right) = -mc_{p}$ X = L ator (- incr) = 20 mgr