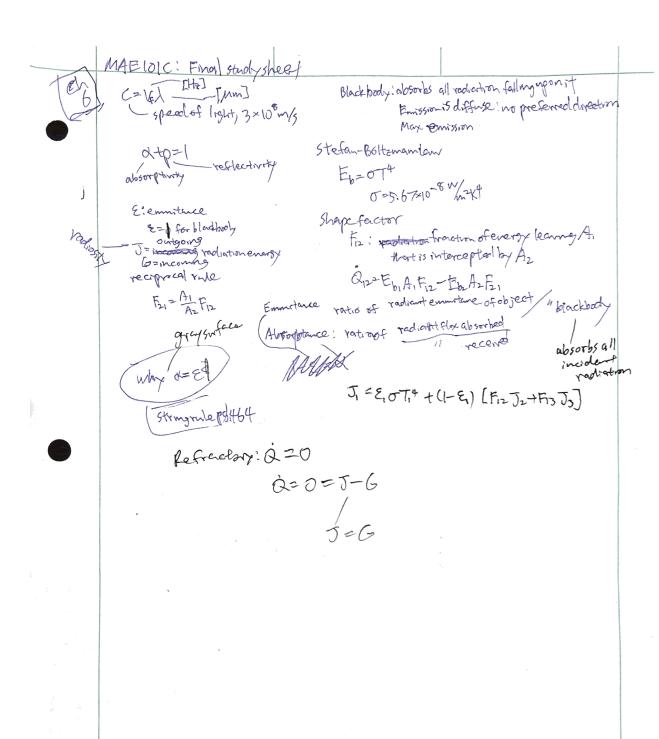
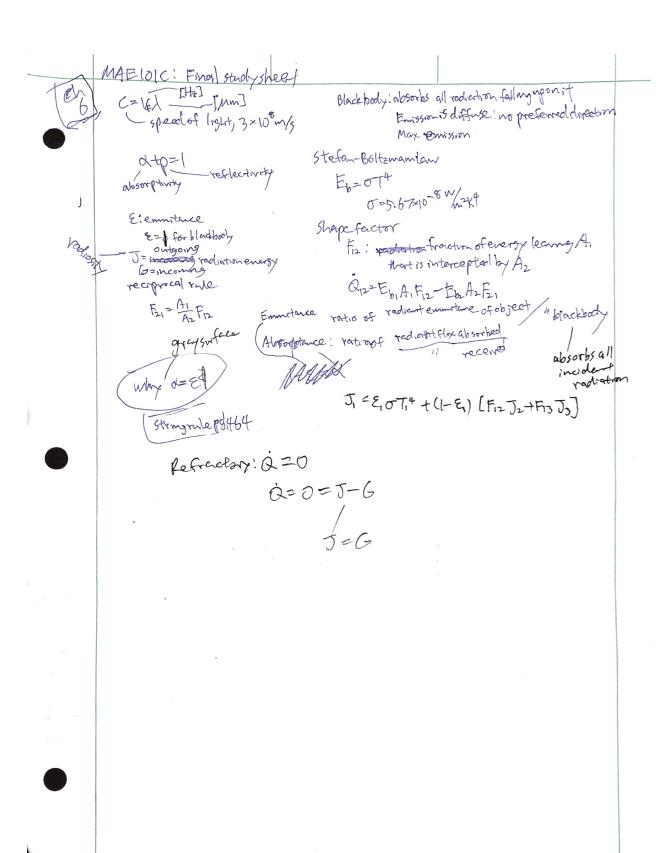
## **MAE 101C**





overall hast transfer coefficient 1 C Notes 1 = - Kol X Thermal resistance:  $D = \frac{1}{4}$  thermal conductorty 101 C Notes U3 problemb Honto ford? air = low conductivity = high resistance  $\frac{T-T_{e}}{T_{0}-T_{e}}=\exp(-\frac{t}{T_{e}}), t_{c}=\frac{\rho + c}{h_{c}A}$   $q=h_{c}\Delta T$ Equilibrium temp: M, C, (To, 2 - T2) = M2C2 (T2-T0, 1) Radiative heat transfer by booker emittence

Qn = \( \frac{\int\_1 + \cdot - \int\_2 \)}{\int\_2 + \cdot - \cdot Oloss = T(Va)-Te

Retot

Exercely saimee -> governing egisting Apply BCs

Alx-Glotart C"A XX = 0 Firs 6= Incr p=perineter Ofm=hcPL (TB-Te) tanh(BL)

Ch3 P6

That 
$$T_A - T_i$$
 =  $(kpc)_B$   $(kpc)_A$   $(kpc)$ 

