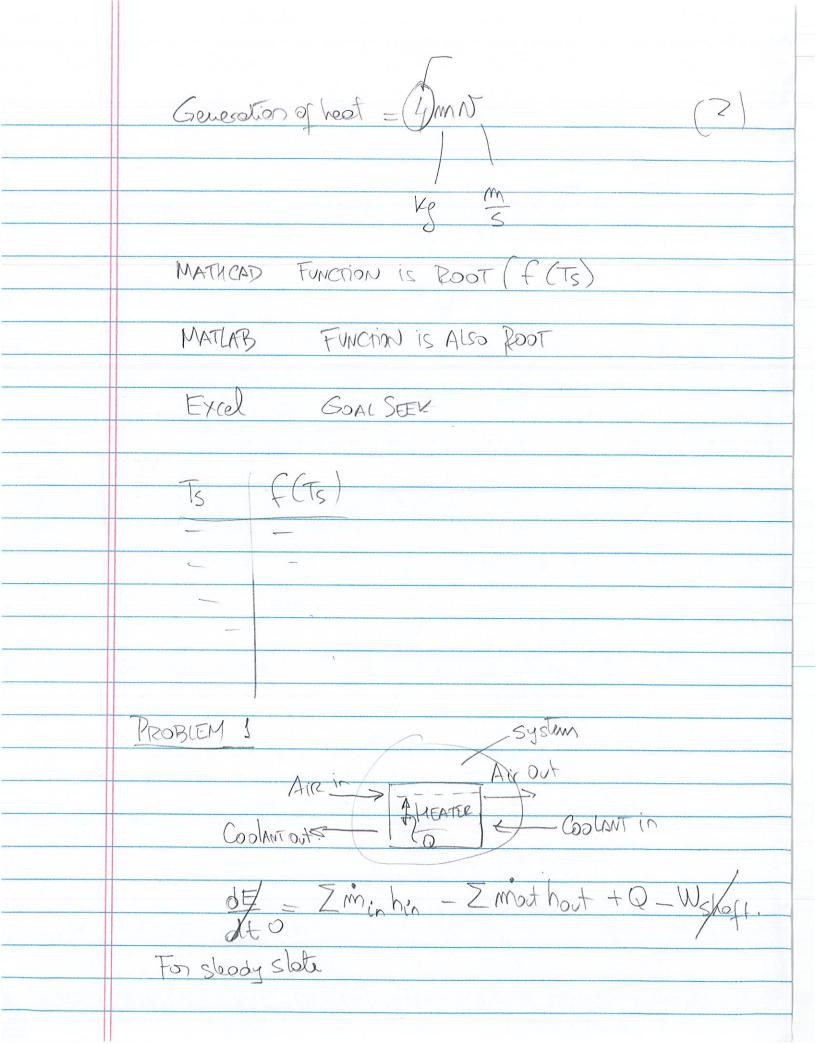
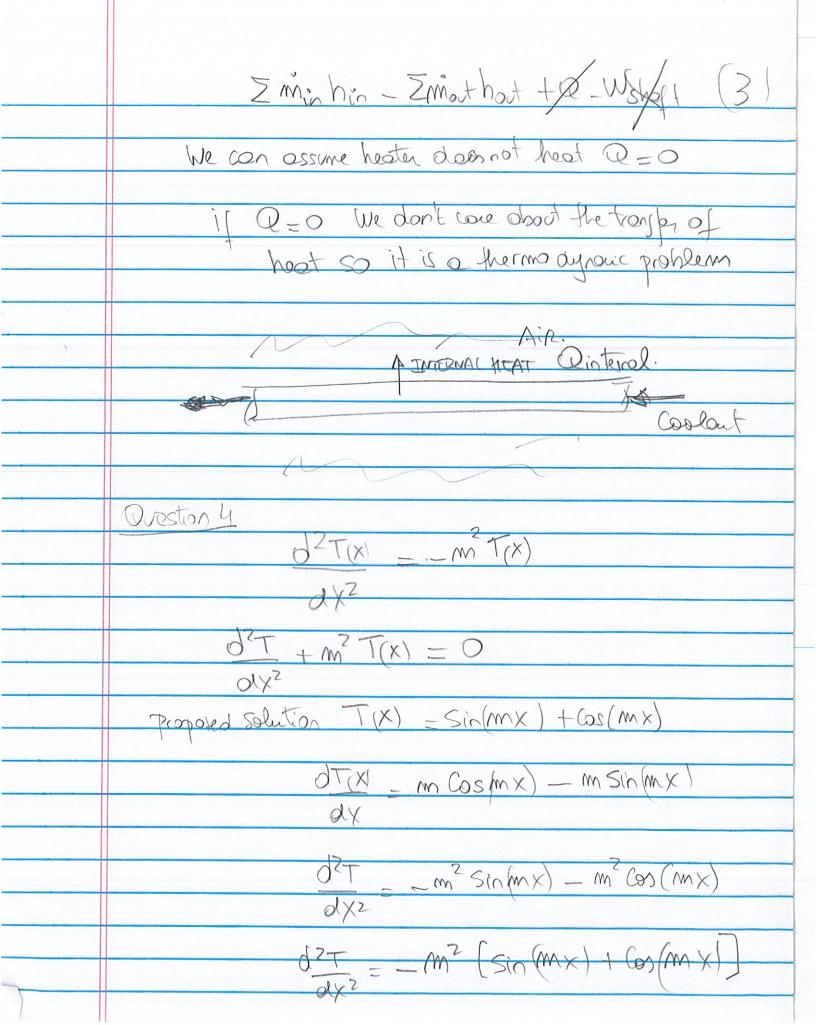
OFFICE HOURS 3/17/18
BALANCE OF ENERGY FIRST LAW OF THERMODYNAMICS)
Energy In _ ENERGY OUT + Generation of Energy =
= = STORAGE of ENERGY Steedy State.
woll. Oir burkeatul.
PADIATION System
RADIATION 20,4-5132 TS RES 13.3 L
(FTS) = 0 - (hA (TS - TW) + JA [TS - TW] + 0.12 N A (PS P)
Convection PARE
Stefan Boltzman Constont 5,67 K10-8 W K4m2
K4m² K4m² K4m²
RADIATION PARTTHE UNITS OF TEMPERATURE IS IMPORTANT AND THEY HAVE TO BE ABSOLUTE TEMPERATURES (K or R)





substituting into the equation -m2 [Sin (mx) + Cos (mx)]+m2 [Sin (mx) + Cos (mx)] So T(x) = Sin(mx) + Cos(mx) isone Solution.