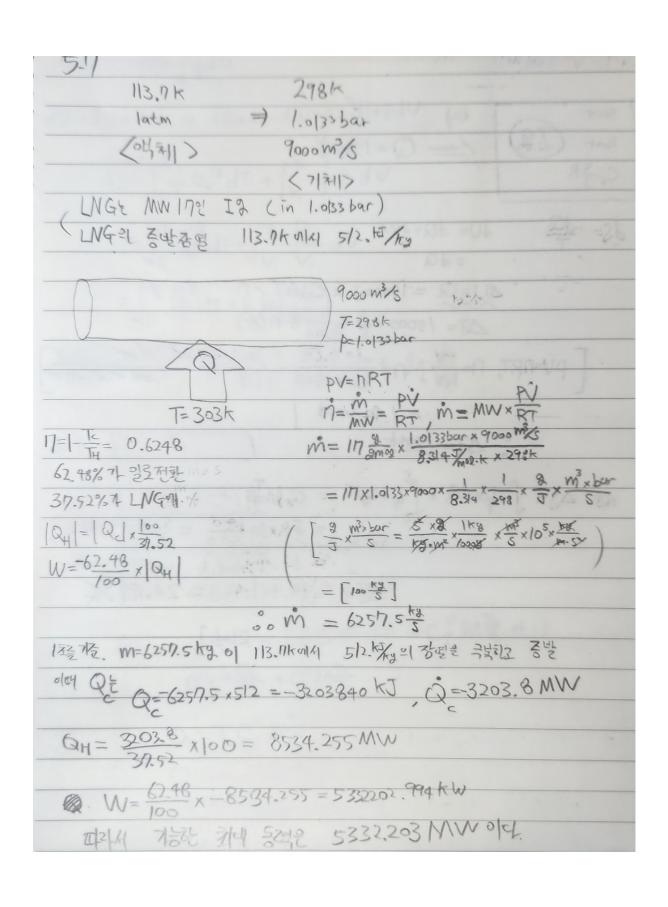
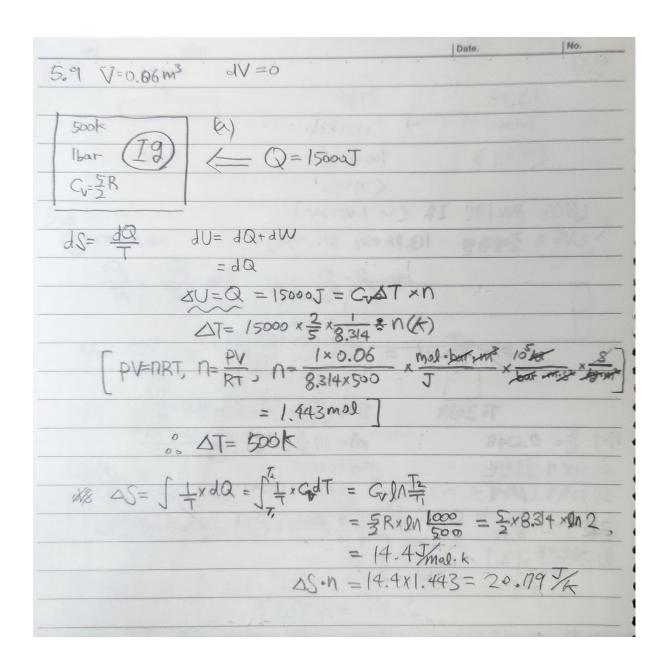


5.3 (a)
$$\dot{W} = -75000 \, kW = -75000 \, kW$$

$$= -75000 \, kW = -75000 \, kW = -75000 \, kW$$

$$= -2 \, kW = -2 \,$$



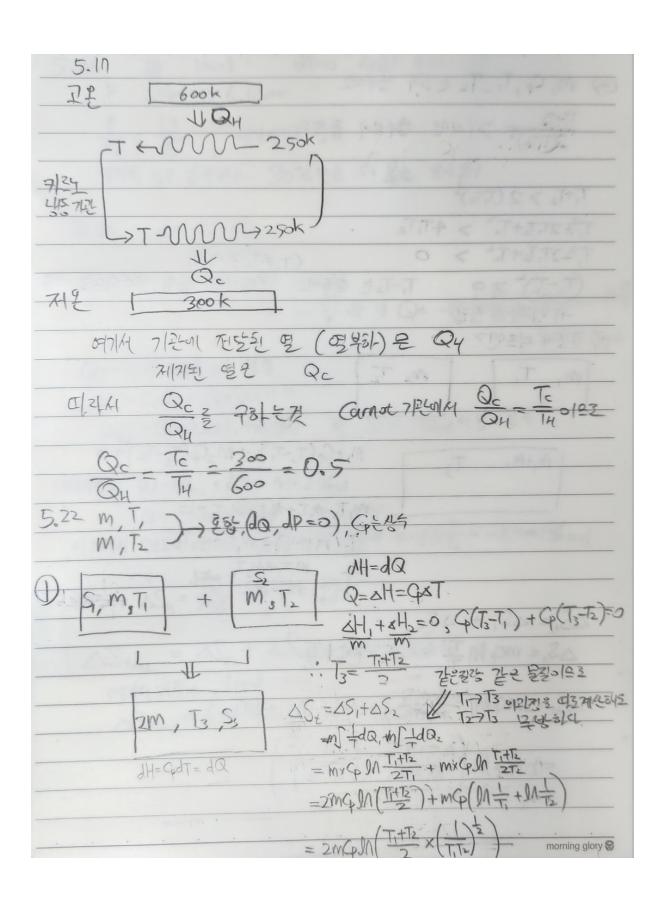


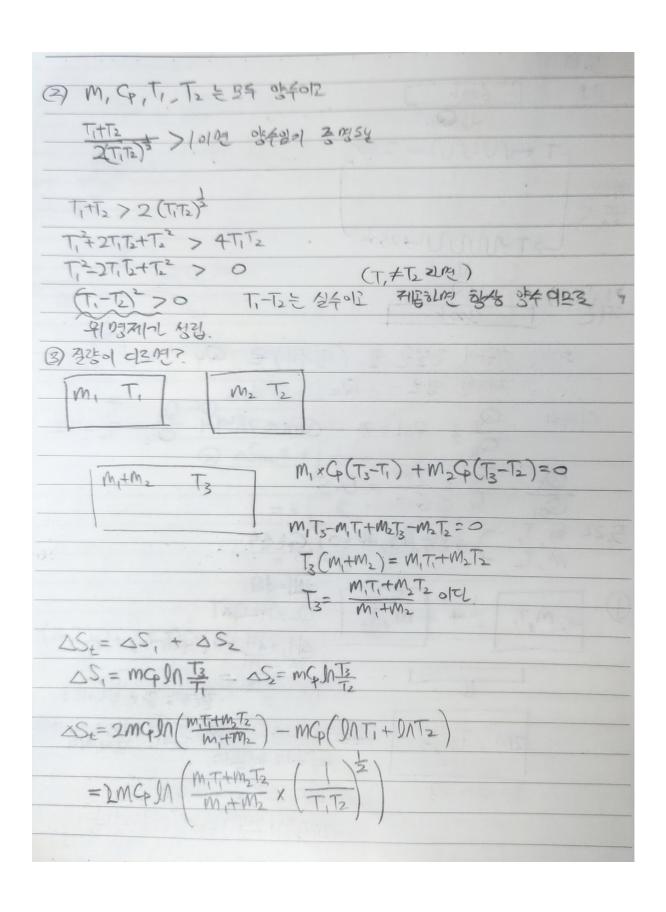
S.12
$$\Delta S = \int_{T}^{3} dQ$$
 $dV = dQ + dW \Rightarrow dQ = dV - dW = CV dT + P dV$

$$= \int_{T_{1}}^{3} \frac{C^{3}}{C^{3}} dT + \int_{V_{1}}^{V_{2}} \frac{P}{P} dV$$

$$= \int_{T_{1}}^{3} \frac{C^{3}}{C^{3}} dT + R \ln(\frac{V_{2}}{V_{1}})$$

$$= \int_{T_{1}}$$





Date. No.
5.26. Ig I mol dr=0 403k 921
P. 2.56r -> 6.560r
P= 13 UNDER 05
मिल हिंद केंद्रेयों 30% एडे न क्षेत्र हो। यो
= dQ + vdP
$dQ = GdT - VdP = -VdP$ $= -\frac{RT}{P}dP \Rightarrow Q = -\frac{RT}{P} = -\frac{83}{4} + \frac{3}{4} + \frac{3}{4} = -\frac{3201.48}{100} =$
= -3201.48 ³ /mol
Q=-3201,48/mol= \$\frac{2}{32}.
$\Delta U = C_V dT = Q + W = 0$ $W = -Q = 3201.48 / mol = 3201.48 / mol = 201.48 / mo$
47479 W=Wrey x 1.3= 4162 That
0 7 7 7 0 0 7 7 1 0 0 0 0 0 0 0 0 0 0 0
6317329 DSH = 298 = 14 100-K
DStorue = DSH + DSig = 6.056 Mol. k 097147150 [mol 0123
097147150 Mol 0132
DStatus = 6.0567/k.