11/30 attendance J Riczman

P8.20) $\ln P_f/P_i = \frac{\Delta H_{vap}}{R}\left(\frac{1}{T_f} - \frac{1}{T_i}\right)$

$T_f$ = 408.15 $T_i$ = 373.15

$\Rightarrow \frac{P_f}{P_i} = e^{1.1238}$

$\Rightarrow P_f = 3.08\ atm$

8.36) $\Delta G = -RT \ln K_p = 4.30\ \frac{kJ}{mol}$

@ 298.15K $K_p = \frac{P_f}{P_i} = e^{-1.734} = 0.176\ bar$