



$$P = \beta \cdot e^{-\frac{\Delta H_{\text{vap}}}{RT}}$$

$R = \text{gas constant}$

CHEM I $PV = nRT$

$$R = 0.08206 \frac{\text{L atm}}{\text{K mol}}$$

$$R = 8.314 \frac{\text{J}}{\text{K mol}}$$

$$P = B \cdot e^{-\frac{\Delta H}{RT}}$$

$$\ln P = \ln \left(B \cdot e^{-\frac{\Delta H}{RT}} \right)$$

$$\ln P = \ln e^{-\frac{\Delta H}{RT}} + \ln B$$

$$\ln P = -\frac{\Delta H}{RT} + \ln B$$

$$\ln P = -\frac{\Delta H}{R} \left(\frac{1}{T} \right) + \ln B$$

$$Y = m \cdot x + b$$

