Exercise 3.4

Sunday, 26 April 2020 12:26

T= 273,15 K  $P = 1 at_m = 1.01 \times 10^5 P_a$  $P_{ice} = g_{1}6_{2} g_{m}^{-3}$  $Vice = \frac{m}{l_{im}} = \frac{10}{9(6.23)}$  $V_{w} = \frac{m}{p_{w}} = \frac{10}{999.84}$  $p_w = ggg_- \partial g kgm^{-3}$ m = 10 by $m = \mu$ dW = PdVPdV = P $W = \int$ V. ice

 $= P(V_w - V_{ice})$ 

Vice

 $= 1.01 \times 10^{5} \left( \frac{10}{999} - \frac{10}{91623} \right)$ 

 $= 1.01 \times 10^{6} \left( \frac{1}{999.84} - \frac{1}{916.23} \right)$ 

= -92.54