

$$PV = nRT$$

$$= h \times 0.082 \times$$

Q2 25

? = Units

Q3/

$$q_p = C_p \times n \times \Delta T$$

$$1100 = C_p \times 50 \times 293$$

$$C_p = \frac{1100}{50 \times 293} = \frac{1100}{14650} = 0.075$$

$$P_t = T_f - T_i$$

$$\Delta T = 45 - 25 = 20^\circ C$$

$$20 + 273 = 293 K$$

Q3 12/25