编号:

班级:

2.8.0

$$PV = MRT. \Rightarrow \frac{Tb}{Ta} = \frac{P_b}{P_m} \cdot \frac{Tc}{Ta} = \frac{V_2}{V_1}$$

C7a:
$$Q_2 = C_P(T_e - T_a)$$

$$J = \frac{Q_1 + Q_2}{Q_{e1}} = 1 - \frac{C_P(T_c - T_a)}{C_V(T_b - T_a)} = 1 - \sqrt{\frac{V_2 P_1 - V_1 P_1}{P_2 V_1 - P_1 V_2}}$$

$$= - \sqrt{\frac{V_2 P_1 - V_1 P_1}{P_2 V_1 - P_1 V_2}}$$

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$$b \rightarrow c: Q_3 = W = \int \frac{P_2 V_1}{V} dV = P_2 V_1 \ln \frac{V_2}{V_1}$$

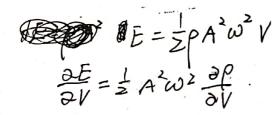
$$y = \frac{\theta_1 + \theta_3 - \theta_2}{\theta_1 + \theta_3} = 1 - \frac{G_2 (T_6 - T_A)}{G_1 + G_3} = 1 - \frac{G_2 (T_6 - T_A)}{G_1 + G_2 + G_3}$$

2.12

$$\frac{\partial f}{\partial l} = \frac{VA}{l} \cdot \left(\frac{\partial l}{\partial l}\right) = \text{ind}(\cdot l) \rightarrow \left(\frac{\partial f}{\partial l}\right) = \frac{\partial l}{\partial l} = -\frac{VA}{l} = -\frac{VA}{l}$$

$$\frac{\partial V}{\partial T} = Cv. \quad \frac{\partial h}{\partial T} = Cp. \qquad V = \frac{\partial P}{\partial P}$$

$$\Rightarrow \frac{\partial h}{\partial u} = V.$$



 $J_1 = \frac{W_1}{Q_1} \qquad J_2 = \frac{W_2}{Q_2}$ Q2 = Q1 - W1 11+72-7172= W1+ W2 - WIWE = WIDI-WI+MIDI-WI Oilai-wi) = (w1+m5)(01-m1) = WITWZ = y spre OI (OI-WI)