$$\begin{array}{c|c} \text{PIET 3co I Thermon Apps} & \text{HW 1-2} \\ \hline \text{PIET 3co I Thermon Apps} & \text{HW 1-2} \\ \hline \text{Tasenhopic Process (Air)} \\ \hline \text{Tasenhopic Process (Air)} \\ \hline \text{Tasenhopic Process (Air)} \\ \hline \text{PISC} \\ \hline \text{Tasenhopic Process (Air)} \\ \hline \text{Tasenhopic Proces$$

9-18 
$$T = 350 h$$
  $T_{g} = 120 h$   
 $f_{g} = 150 hpa$   
 $f_{g} = 150 hpa$   
 $f_{g} = 300 hpa$   
 $g_{g} = 300 hpa$   
 $g_{g} = 5 hJ$   
 $g_{g} = 5 hJ$   
 $g_{g} = 5 hJ$   
 $g_{g} = 5 hJ$   
 $g_{g} = 235 hJhyh$   
 $g_{g} = 5 hJhyh$   
 $g_{g} = 7 hJhyh$   
 $g_{g}$ 

$$\begin{array}{c} \begin{array}{c} \begin{array}{c} \text{MET 350: Thermal } f p p & \text{HW 1.2} \end{array} \\ \hline \\ \begin{array}{c} \text{Curter F. Subsch.} / \text{Answan French} \end{array} \\ \hline \\ \text{Curter F. Subsch.} / \text{Answan French} \end{array} \\ \hline \\ \begin{array}{c} \text{Curter F. Subsch.} / \text{Answan French} \end{array} \\ \hline \\ \begin{array}{c} \text{Curter F. Subsch.} / \text{Answan French} \end{array} \\ \hline \\ \begin{array}{c} \text{Curter F. Subsch.} / \text{Answan French} \end{array} \\ \hline \\ \begin{array}{c} \text{Curter F. Subsch.} / \text{Answan French} \end{array} \\ \hline \\ \begin{array}{c} \text{Curter F. Subsch.} / \text{Answan French} \end{array} \\ \hline \\ \begin{array}{c} \text{Curter F. Subsch.} / \text{Answan French} \end{array} \\ \hline \\ \begin{array}{c} \text{Curter F. Subsch.} / \text{Answan French} \end{array} \\ \hline \\ \begin{array}{c} \text{Curter F. Subsch.} / \text{Answan French} \end{array} \\ \hline \\ \begin{array}{c} \text{Curter F. Subsch.} / \text{Answan French} \end{array} \\ \hline \\ \begin{array}{c} \text{Curter F. Subsch.} / \text{Answan French} \end{array} \\ \hline \\ \begin{array}{c} \text{Curter F. Subsch.} / \text{Answan French} \end{array} \\ \hline \\ \begin{array}{c} \text{Curter F. Subsch.} / \text{Answan French} \end{array} \\ \hline \\ \begin{array}{c} \text{Curter F. Subsch.} / \text{Answan French} \end{array} \\ \hline \\ \begin{array}{c} \text{Curter F. Subsch.} / \text{Answan French} \end{array} \\ \hline \\ \begin{array}{c} \text{Curter F. Subsch.} / \text{Answan French} \end{array} \\ \hline \\ \hline \\ \begin{array}{c} \text{Curter F. Subsch.} / \text{Answan French} \end{array} \\ \hline \\ \begin{array}{c} \text{Curter F. Subsch.} / \text{Answan French} \end{array} \\ \hline \\ \begin{array}{c} \text{Curter F. Subsch.} / \text{Answan French} \end{array} \\ \hline \\ \hline \\ \begin{array}{c} \text{Curter F. Subsch.} / \text{Answan French} \end{array} \\ \hline \\ \hline \\ \hline \\ \begin{array}{c} \text{Curter F. Subsch.} / \text{Answan French} \end{array} \\ \hline \\ \hline \\ \begin{array}{c} \text{Curter F. Subsch.} / \text{Answan French} \end{array} \\ \hline \\ \hline \\ \hline \\ \hline \end{array} \\ \\ \hline \end{array} \\ \hline \end{array} \\ \hline \end{array} \\ \\ \hline \end{array} \\ \hline \end{array} \\ \hline \end{array} \\ \hline \end{array} \\ \\ \hline \end{array} \\ \hline \end{array} \\ \hline \end{array} \\ \hline \end{array} \\ \\ \hline \end{array} \\ \hline \end{array} \\ \hline \end{array} \\ \hline \end{array} \\ \\ \hline \end{array} \\ \\ \hline \end{array} \\ \hline \end{array} \\ \hline \end{array} \\ \\ \hline \end{array} \\ \hline \end{array} \\ \hline \end{array} \\ \hline \end{array} \\ \\ \hline \end{array} \\ \\ \hline \end{array} \\ \hline \end{array} \\ \hline \end{array} \\ \\ \hline \end{array} \\ \\ \hline \end{array} \\ \hline \end{array} \\ \\ \hline \end{array} \\ \hline$$

$$1 \longrightarrow 2 : W_{in} = C_{V'} (T_{i}(r)^{k-1} + T_{i}) \longrightarrow W_{in} = C_{V} T_{i} ((r)^{k-1} - 1)$$

$$2 \longrightarrow 3 : W_{on} V = C_{p} (rT_{i}(r)^{k-1} - T_{i}(r)^{n-1}) - C_{v} (rT_{i}(r)^{k-1} - T(r)^{n-1})$$

$$W_{out} = C_{p} T_{i}(r)^{k-1} (r-1) - C_{v} T_{i}(r)^{k-1} (r-1)$$

$$M_{out} = \frac{\left[C_{p} T_{i}(r)^{k-1} (r-1) - C_{v} T_{i}(r)^{k-1} (r-1)\right] - \left[C_{v} T_{i} (r)^{k-1} - 1\right]}{\left[C_{p} T_{i}(r)^{k-1} (r-1)\right]}$$

9.37 C.E. - 10.5  

$$F_{1.2} = 5 A_{PR}$$
  
 $T_{1.2} = 90^{cr} (2^{-1}3)$   
 $h = 2500 \text{ spin}$   
 $U_{2.4} = 90 \text{ kw}$   
 $7 = 0^{-1}$