Josh whiteheard

	Thermo test I V=1m ³ m=2.8 kg P=1MPA
\.	V=1m2 = 2.8 kg P=1MPA
Ñ.	Closed system
b.	V= 1m ² = 0.357 = 0.357 = (V@ MPa is 0.194
	VVLV: initial state is Suturated vapor Superheated Steam
C.	Tapprox = 500°C + 0.357 = 0.3541 = (\$50°C - 500°C) = 506°C
_	~ 500° C
ď.	P2 = 0.1 MPa Q0.1 MPa V=0.357, V 2,001043
	V' LVLV' Saturated mixture
	9-1-1 0.357-0.001043 = 0.210
٤.)	WEC = - SPAV =-PBV = 0 Vis constant

Josh whitehead V1069343 2.) 7=350°C Ws, ret = 1000 KW QH=1900 KW 2 1900 0526 Hot TH-350°C

Source TH-350°C

Land Source TH-350°C

Source TH-350°C

Wark Was net 21000 KW M = waret = 1000 = 0.526 b. $\frac{Q_{c}}{Q_{H}} = \frac{Q_{T_{c}}}{T_{H}}$ $Q_{c} = \frac{Q_{H} \cdot T_{c}}{T_{H}} = \frac{303.15 \text{ K}}{623.15 \text{ K}}$ $Q_{c} = \frac{Q_{H} \cdot T_{c}}{T_{H}} = \frac{623.15 \text{ K}}{6(23.15 \text{ K})}$ $Q_{c} = \frac{Q_{2} \cdot Q_{1}}{Q_{1}} \cdot \frac{1900 \text{ KW}}{1900 \text{ KW}} = \frac{303.15 \text{ K}}{303.15 \text{ K}}$ $Q_{c} = \frac{Q_{2} \cdot Q_{1}}{Q_{1}} \cdot \frac{1900 \text{ KW}}{1900 \text{ KW}} = \frac{303.15 \text{ K}}{1900 \text{ KW}} = \frac{3$ I would invest because it produces a large amount of mort and it is more efficient than many Processes we use todan

U1069343 Thermo test T a. Open System ! water flowing through burier b.) 2 [m (U + x + g=) = [[x + x] m - \frac{1}{2} + x + y =] m + \frac{1}{2} + \frac{ 2 [m (n+ 02)] = top 0 = in - of front ting instantas = gzmtws mouting = stimes in but = Ws mbut in Das 550 (5,542) = 05/2 +n2 1 m Du + m g (2) = 9 = m + is C) ws = ~ (Au - 2 (9.8 = 2) (75 m) is = 30 15 (Du - 1470m2) Du Du + 1001 ~s = 30 = (-1470 =) = -44100 KW =-4.41 X10 KW

Dost whitehead