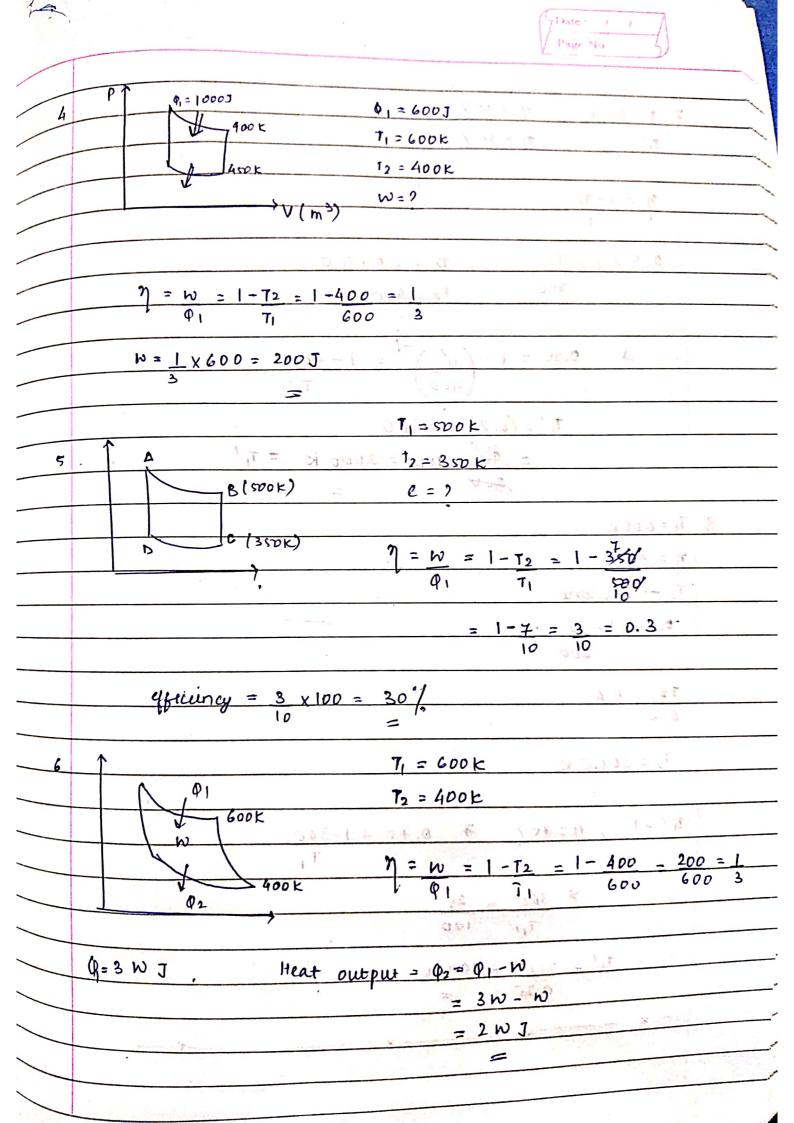
Name: Ananya Prawad SLOT: FILES STOPEN 2 reg No: 20BCE 10093 Faculty: Suchetna Ma'am. TUTORIAL - HEAT ENGINE cypic Heat engine T1 (SOUTCE) = 800°C = 1073 K T2 (sink) = 30°C = 303k $\eta = W$; $\eta = 1 - 72 = 1073 - 303 = 0.717$: W = 170= F0:717 = 527 31 & brazility sond militarion W= IKW 91-21.39 FW Swar - 1 of is the amount of hat absorbed from the source. W= 9, + 92 1 = 17 92 (hear rejected) = 1.39 kW - 1 kW = 0.39 W. heast rate of hear rejection per kw is 0.39W. with a roll of 10002 - 0000 to the



	$7 T_1 = 800K$; $\eta = 50^{\circ}/.$
	$\frac{7}{7_1'} = \frac{900R}{7_1'} \qquad \frac{\eta}{1} = \frac{90\%}{1}$
	7, = /
	$\frac{\eta = 1 - T_2}{T_1}$
	$0.5 = 1 - T_2$; $T_2 = 0.5 \times 800$
	800 T2 = 400 K.
	\Rightarrow 0.80 = $1 - (7/2)^{-1} = 1 - 40005 = 9000011111111111111111111111111111111$
	$\Rightarrow 0.80 = 1 - \left(\frac{\tau_1'}{400}\right)^{-1} = 1 - 40005 = 300 \times 100$
	$7_1' = (0.20)^{-1} \times 400$
	$= 400 \times 100 = 2000 \text{ K} = 71'$
	$= \frac{200}{400} \times 100 = 2000 \text{ K} = 71'$
8	T1 = 600K
U	13:17:1 21
	$\eta = 40\%$
	$T_2 \rightarrow constant$
	0.4 = 1 - 72
	600
	T2 = 0.6 - 101 x = 101 x E = princip
	600 = 0.6 = 001 × E = paralett
	T ₂ = 360.0 K
	= . Sauce
	$T_1' = ?$, $n = 75$ / 7 0.75 = 1-360
1	TI Nowe electron be dec. 200
9	100 A 260 A 260 A 200 A
	$\frac{700 = 25}{711} \frac{100}{100}$
	T1' = 360M = 1440K angum auth
	0.25
	-x -x -x -