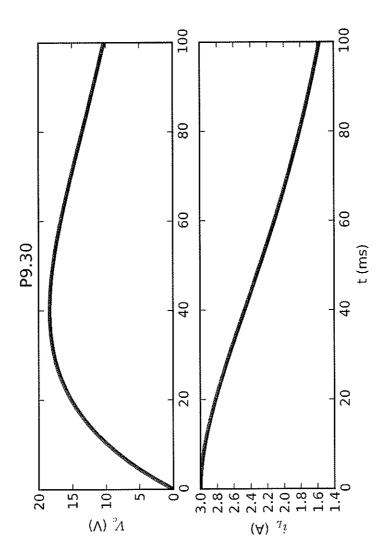
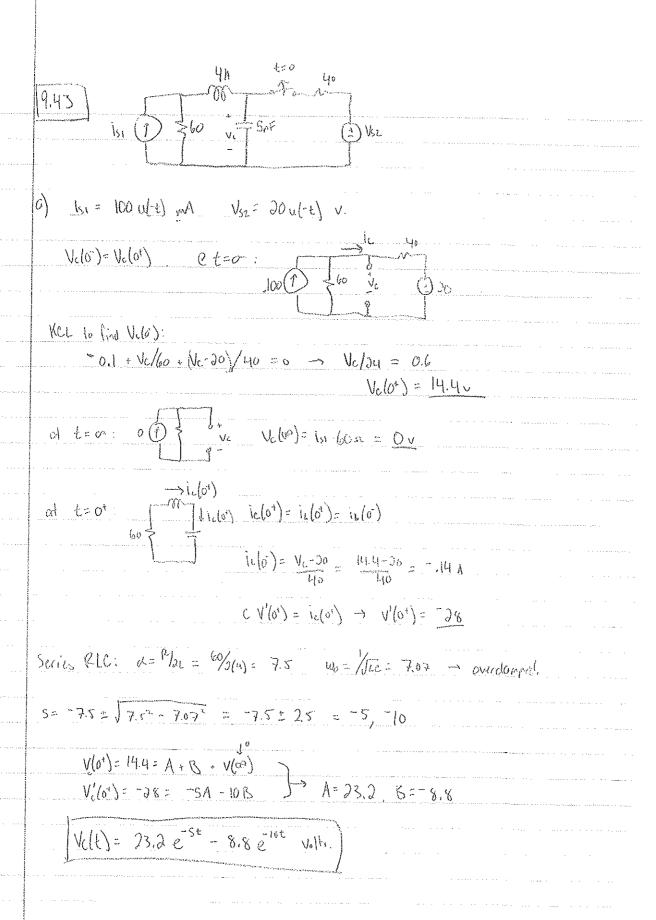
## HW#20 Solution

-		)	1	0 0 == 1
9.20	5	8	T	K=35K
	1			and the same to approximate and are of

$$V_c(|m|) = e^{-\alpha(.001)} = |2|$$
 ) divide  $e^{-\alpha(.001-0005)} = |3|/15$   
 $V_c(.5rs) = e^{-\alpha(.0005)} = |5|$ 

$$i_{L}(0^{\circ}) = \lambda = A$$
  $V_{L}(0) = V_{L}(0) = L i'(0) = 0 \Rightarrow i'(0) = 0$   
 $i_{L}(0^{\circ}) = B - \alpha A = 0$   
 $B = \alpha A = 0.5(2) = 50$   $i_{L} = 0.5 \sqrt{0.5} = 0.5$ 





b) Now, isle = 100 at 2) + 500 alt ) wh, yer = 20 at 2)

t=0" condition is the same as foot a). Velot = 14.40.

at took:

$$ie(o^4) = ie(o^4) = ie(o^4)$$
  
some as before  $\Rightarrow V'(o^4) = 28$ 

of t= op;

S = -S, -10 from Part a).

