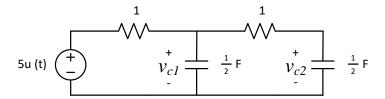
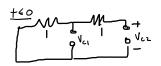
- 1. Find:
- $v_{c1}(0^{+})$  $v_{c2}(0^{+})$
- $v_{c1}'(0^{+})$
- $v_{c2}'(0^{+})$
- $v_{\rm c1}$  ( $\infty$ )
- $v_{c2} (\infty)$

- Hints:
- All answers 0, 5, 10
- Get units right





By inspection  $V_{C1}=0$  Solve for all  $V_{E}$ 's all  $I_{L}$ 's  $V_{C2}=0$  Regardless of what is as real for



$$\lambda_{C1} = C_1 V_{C_1} \Rightarrow V_{C_1} = \frac{1}{C_1} \lambda_{C_1}$$

$$= (2F)(5A)$$

$$= |O V/5|$$

$$\lambda_{C2} = C_2 V_{C_2} \Rightarrow V_{C_2} = \frac{1}{C_1} \lambda_{C_1}$$

$$= 2 (0)$$

$$= 0 V/5$$

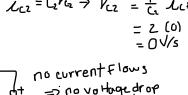
$$V_{C_1}(O^{\dagger}) = V_{C_1}(O^{\dagger})$$

$$= 1 (00)$$

$$\dot{\mathcal{L}}_{C2} = \left( \frac{1}{2} \right) \left( \frac{1}{2} \right) \Rightarrow \mathcal{V}_{C2} = \frac{1}{2} \dot{\mathcal{L}}_{C4}$$

$$= 2 (0)$$

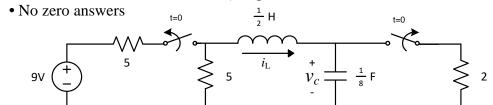
$$= 0 \sqrt{5}$$

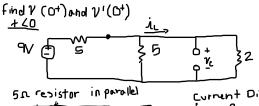


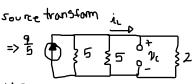
Summary  $V_{c_1}(O^{\dagger}) = O \vee$   $V_{c_1}(O^{\dagger}) = 10 \vee / s$   $V_{c_1}(\infty) = 5 \vee$   $V_{c_2}(O^{\dagger}) = O \vee / s$   $V_{c_1}(O^{\dagger}) = O \vee / s$   $V_{c_2}(\infty) = 5 \vee$ 

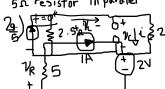
- 2. Find:
- $v_c(0^+)$  $v_c'(0^+)$
- $i_{\rm L}(0^+)$  $i_{\rm L}'(0^+)$

- Hints:
- All answers are "nice" numbers (integers between -20 and 20)

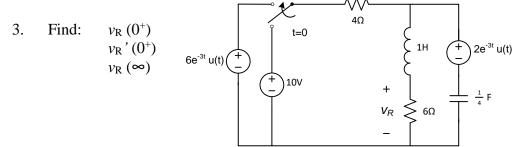








1 (Ct) = 1 A	1/2 (♂)=2∨
えし(o <sup>t</sup> ) = -H A/s	ኒ ር መነ = 8v/s



Hints: • to find  $v_R$ , think about how it relates to  $i_R$ , and how that relates to  $i_L$ ,

- make sure you evaluate the sources at t = 0 or  $t = \infty$
- All answers are integers between 0 and 40

