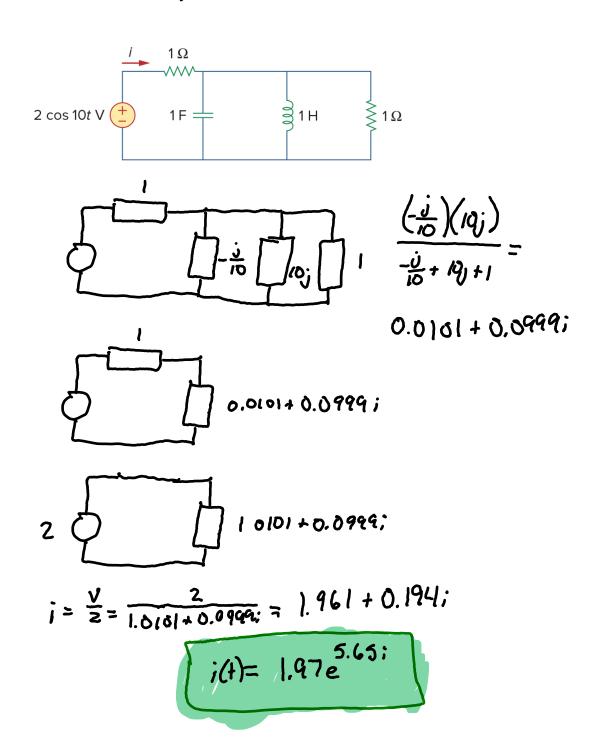
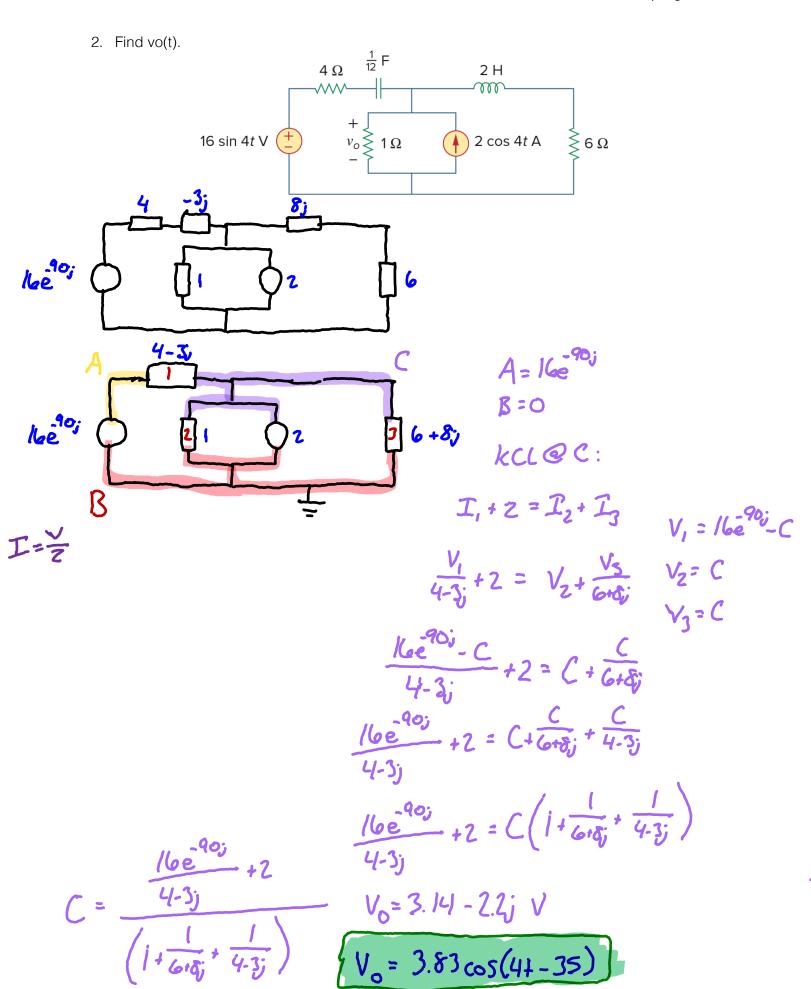
Homework 6 Due: Friday, March 10th, 2023 by 7PM.

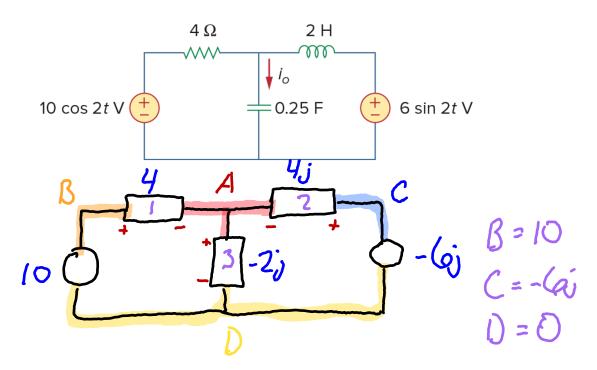
Note: In order to receive full credit, you must show your work and carefully justify your answers. The correct answer without any work will receive little or no credit.

## 1. Find i(t).





## 3. Find io(t).



$$kCL@A$$

$$T_{1} + T_{2} = T_{3}$$

$$V_{2} = -6i - A$$

$$V_{2} = -6i - A$$

$$V_{3} = A$$

$$V_{4} + A_{4} = -A_{2i}$$

$$A = -A_{4i}$$

$$A = -A_{$$

$$A = \frac{10}{4} \cdot \frac{6j}{4j} = 2 - 2j$$

$$i_0(4) = 1 + j$$

$$i_0(4) = 1.41 \cos(24 + 45)$$