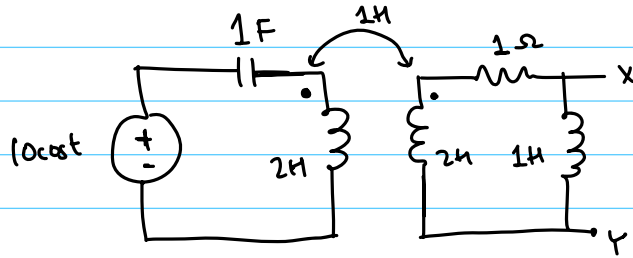
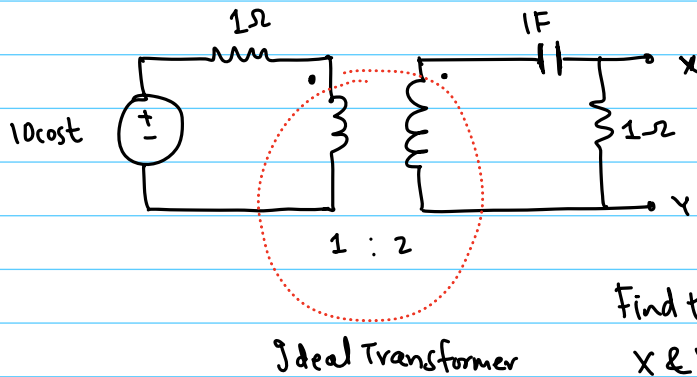


Q1.



Find the Thevenins equivalent of the circuit across X & Y

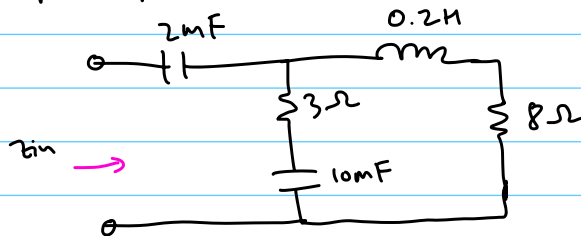
Q2.



Find the Norton's equivalent of the circuit across X & Y.

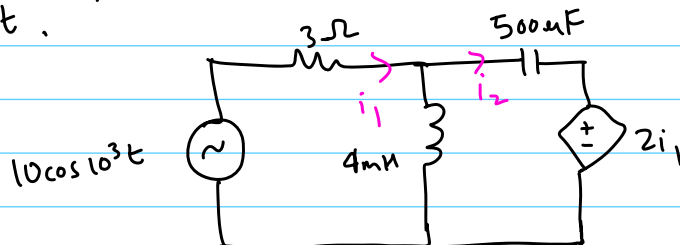
Q3.

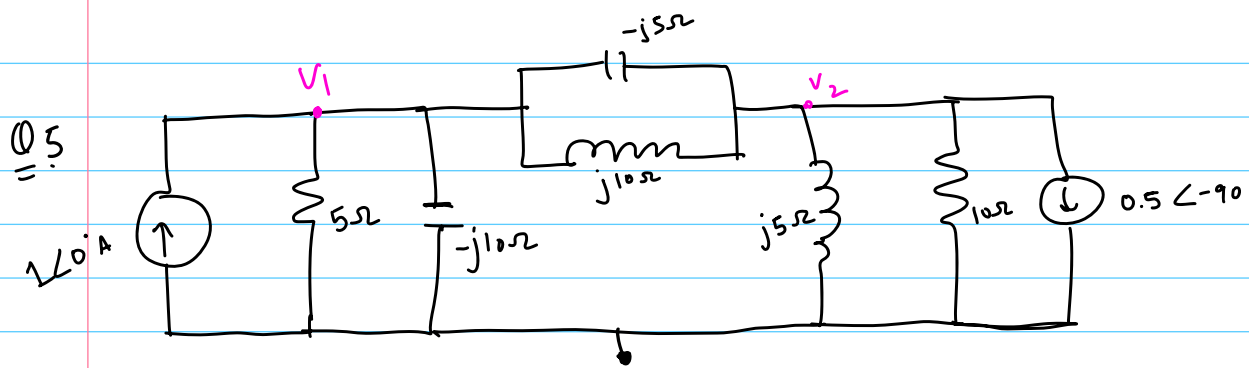
Find input impedance Z_{in} for $\omega = 50 \text{ rad/sec}$.



Q4.

Obtain expressions for the time domain currents i_1 & i_2 in the circuit.





find the time domain node voltages $v_1(t)$ and $v_2(t)$ in the above circuit.