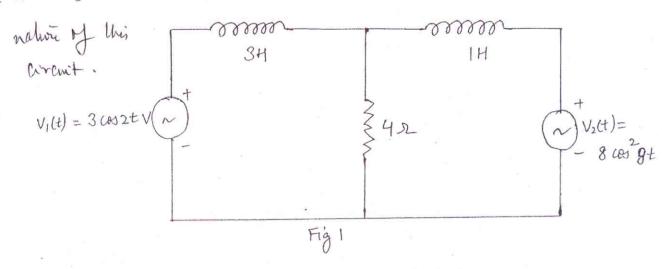
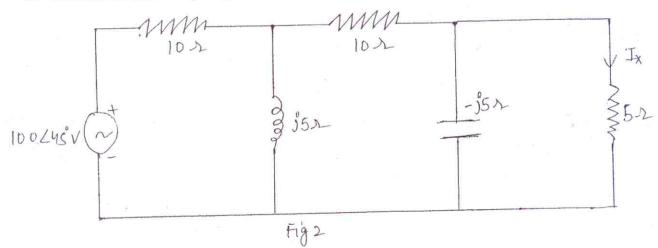
## Deld- of Electrical Enga Esc 201A Assignment-#4

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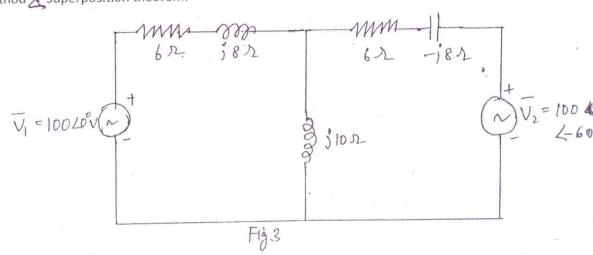
1. In the given circuit find the current through the 4 Ohm resistor. Also Comment on the Univealish



2. Calculate the current Ixusing Thevnin's theorem.

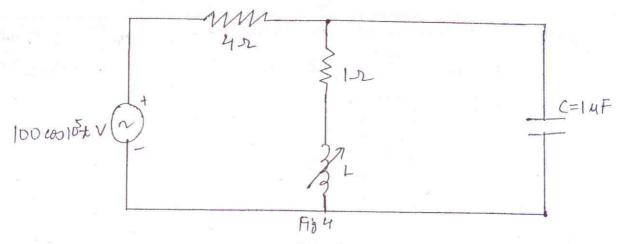


3. Determine the current through the j10 ohm reactance by nodal method mesh/loop method Superposition theorem.



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- 4. (a) Find the value of L for which the steady state voltage across it is maximum.
  - (b) For the value of L determined in (b), find the magnitude of phasor voltage across L.



5. In the given circuit, determine the currents  $\mathcal{L}_1$  and  $\mathcal{L}_2$ .

