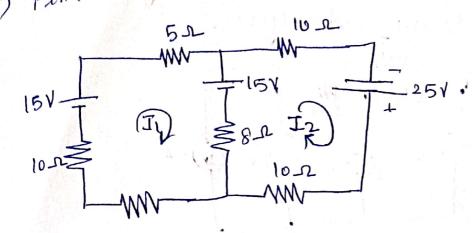
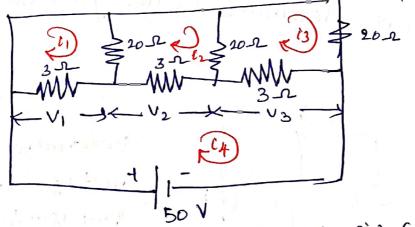
Mesh Aralysis

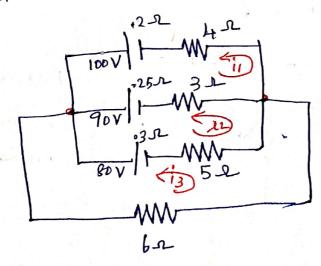
1) Find the Current in 80 reststor in the incine Shown

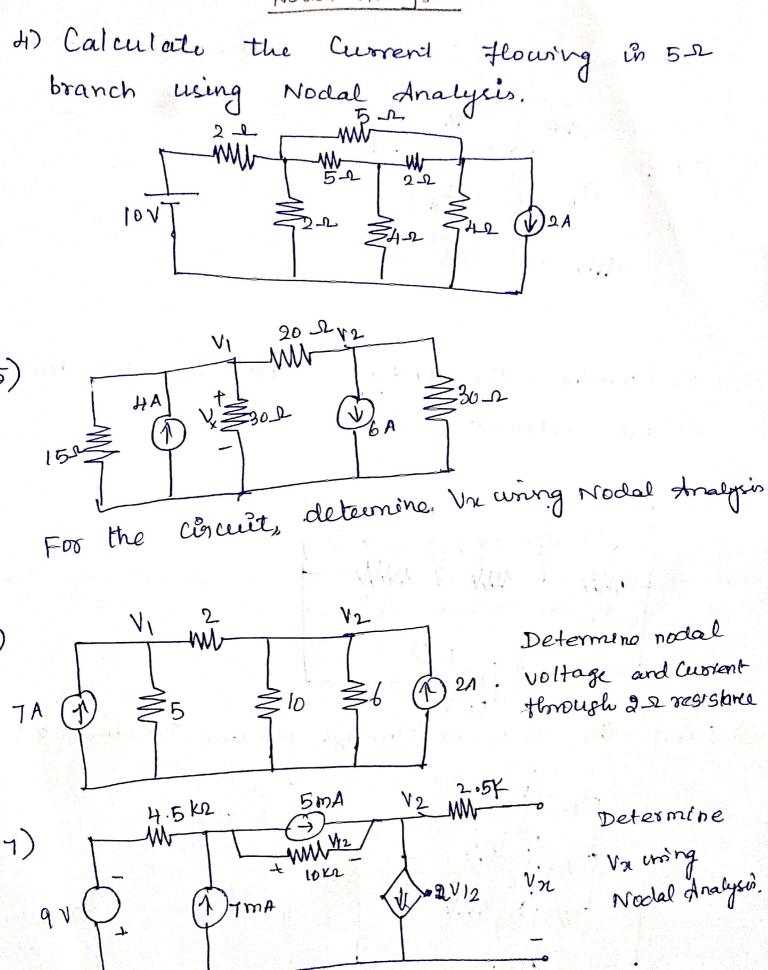


2) Determine the voltage across 32 resistor is the network.



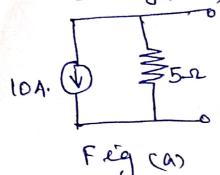
3) Find the Consert through (i) 6-2 Resistance (1) 3-12 Resistance

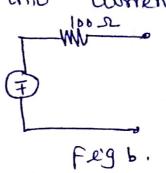




Source Framformation.

1. Convert the given Downent source into avoitage source Fig(a).2) voltage into Current source Figb





star delta

2) In the network shown, find the revisionce between

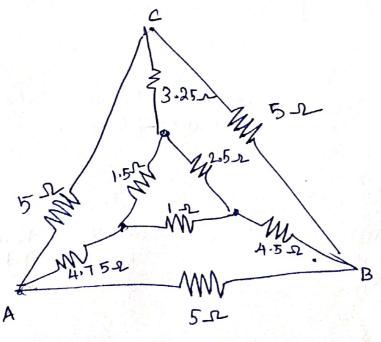
the points A and B.

5. A and B.

4. 15 a his 2

A 5-12

3)

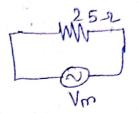


RLC circuits

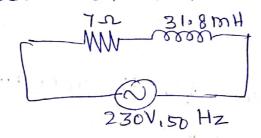
A 25-2 resistance how a voltage V = 150 min 3776

volts. Find Curresponding Current & power.

Vm. = 150 8in377t



2) Calculate the Chruit Current, phase angle, Pouce factor and power Consumed.



- A series RL Circuit has R=202, L=0.05H and it les connected to 250V, 50 cycle souice. Calculate Impedance, Current à power factor. Draw phasor diagram.
- calculate realpower, reatice power, H Complex powers & fower factor.
- 6-1 00319 5) · 0 63611 Find Total currentl power factor 230V ,50H2 Calculate IA, IB

200 V, 50 HZ.

and Ic, Power Jactor & bhasor diagram