

## SHEET 3

### **DC Circuit Analysis**

1. Transform the voltage sources shown in Fig. 1 to current sources.

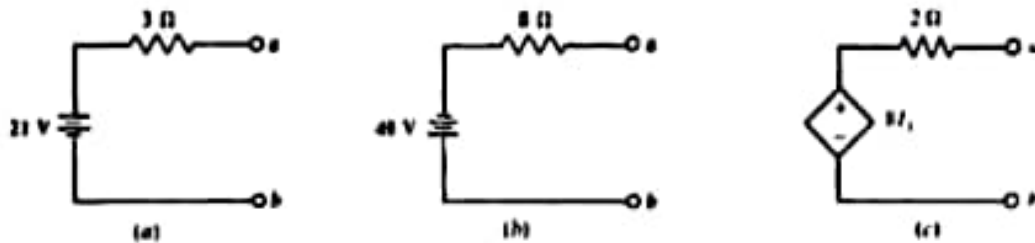


Fig 1

2. Transform the current sources shown in Fig. 2 to voltage sources.

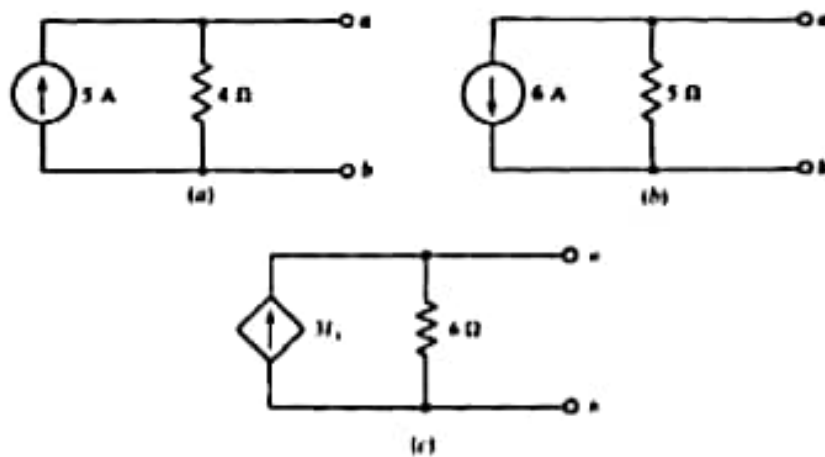


Fig 2

3. Find the mesh currents in the circuit shown in Fig. 3

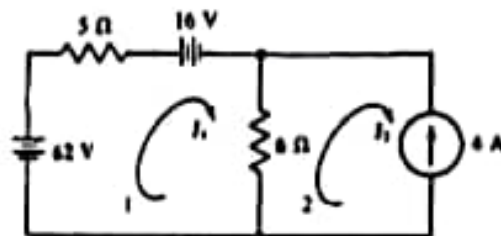


Fig 3

4. Obtain the mesh currents in the circuit of Fig. 4

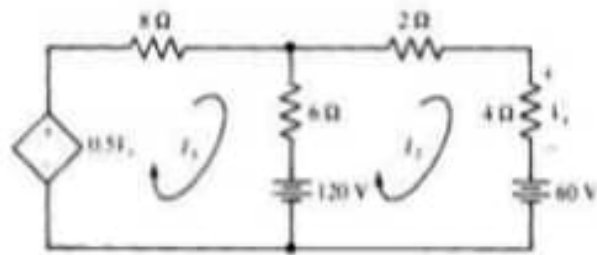


Fig 4

5. Find the node voltages in the circuit shown in Fig. 5

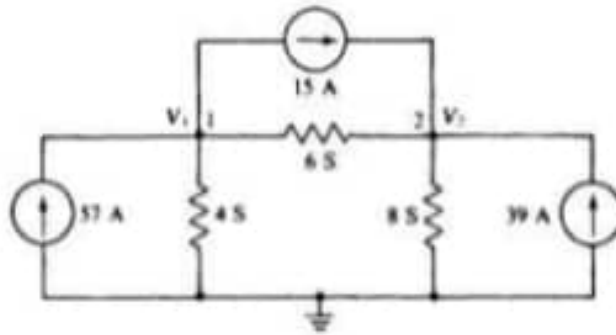


Fig 5

**End of sheet 3**