[5 marks]

- 1. Describe/state the following terms/phrases:
 - (a) Kirchhoff Voltage Law :

(b) Kirchoff Current Law:

(c) Norton's Theorem:

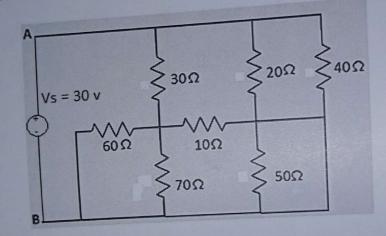
(d) Thevenin's Theorem:

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[6 marks]

2. For the Resistive circuit shown below, determine the following (a) The equivalent resistance across the terminal A-B

- (b) The total current delivered by the voltage source.
- (c) The current through the 50Ω resistor.
- (d) The voltage across the 10Ω resistor.



3. Apply both node and mesh analysis separately to determine all the brach voltages and [7 marks] branch currents in the circuit.

