

Answer all Questions to total worth 15 marks

- |   |   |
|---|---|
| 1. What is ohm's law?   | 2 |
| 2. Find the mesh current for the circuit in figure 1.           | 4 |
| 3. Find the number of nodes and mesh in the circuit in figure 1 | 2 |
| 4. What is KVL and KCL?   | 2 |
| 5. Find the node voltages for the circuit in figure 2.          | 5 |

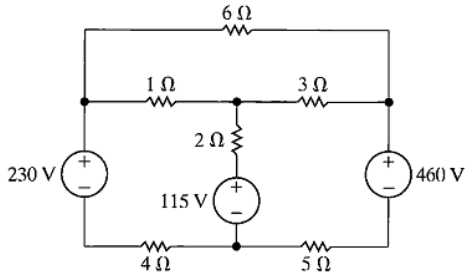


Figure 1

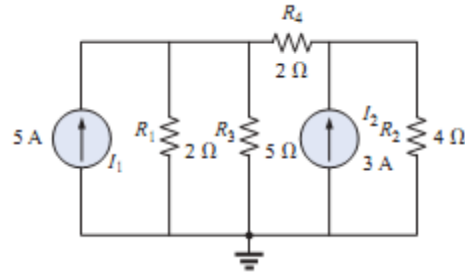


Figure 2

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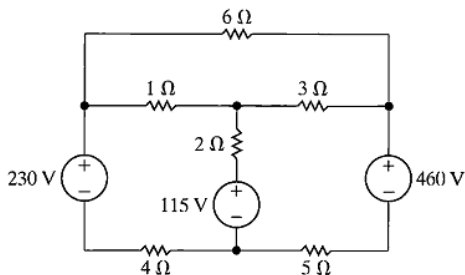


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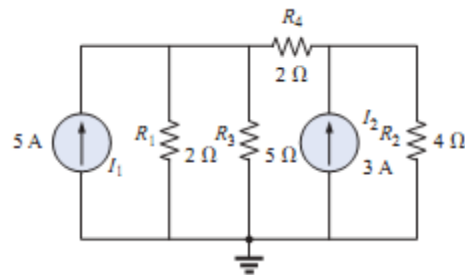


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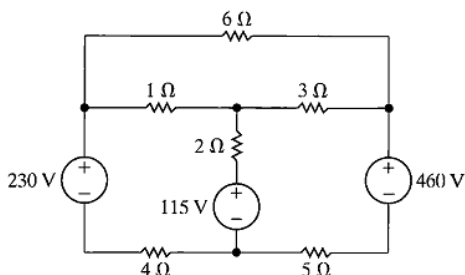


Figure 1

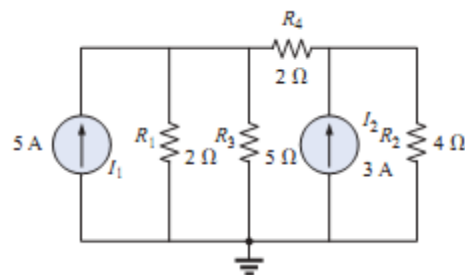


Figure 2