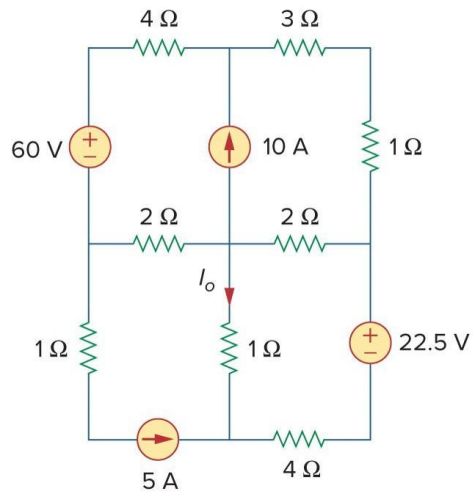


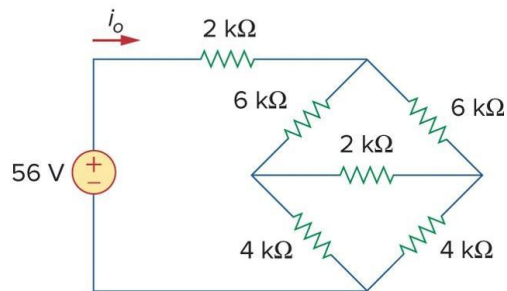
Electric Circuits

Homework Set 7

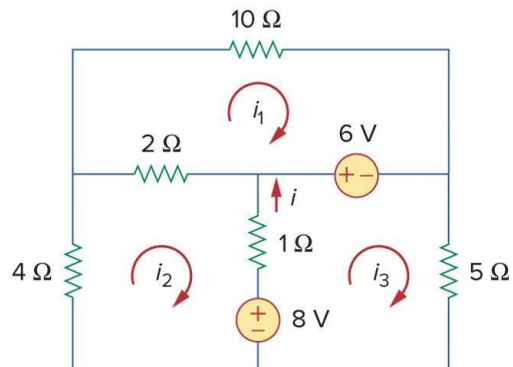
1. Apply the mesh analysis to the following circuit to find I_o .



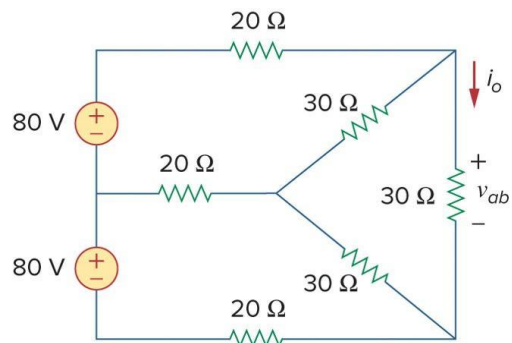
2. For the following bridge network, find i_o using the mesh-current method.



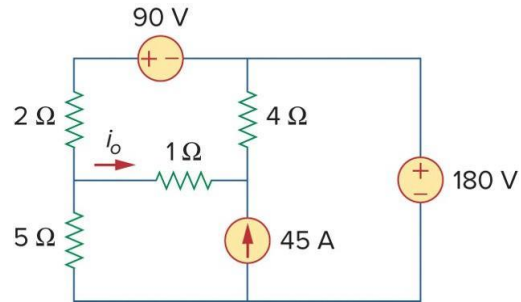
3. Apply mesh analysis to find i in the circuit below.



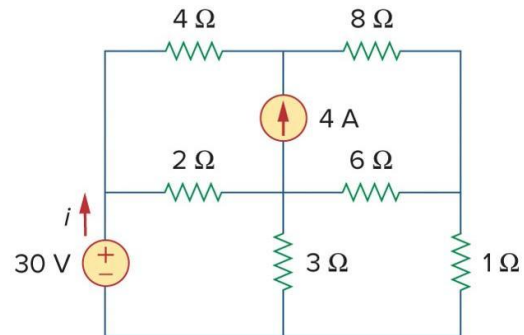
4. Use mesh analysis to find v_{ab} and i_o in the following circuit.



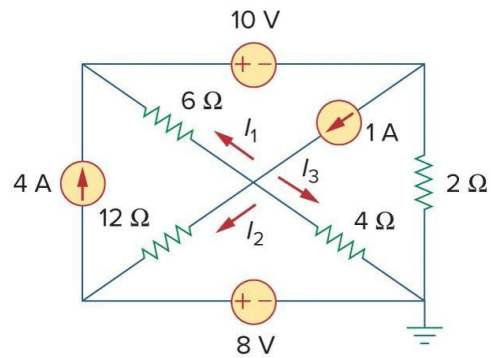
5. Use mesh analysis to obtain i_o in the circuit below.



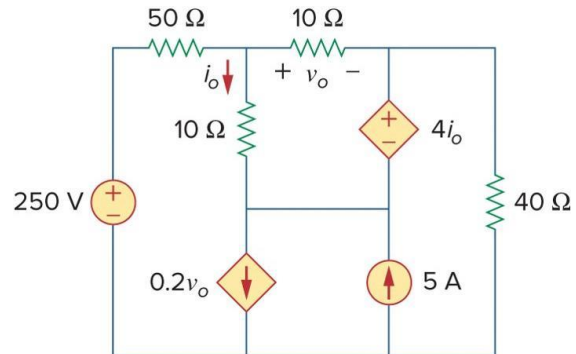
6. Find the current i in the following circuit using mesh-current analysis.



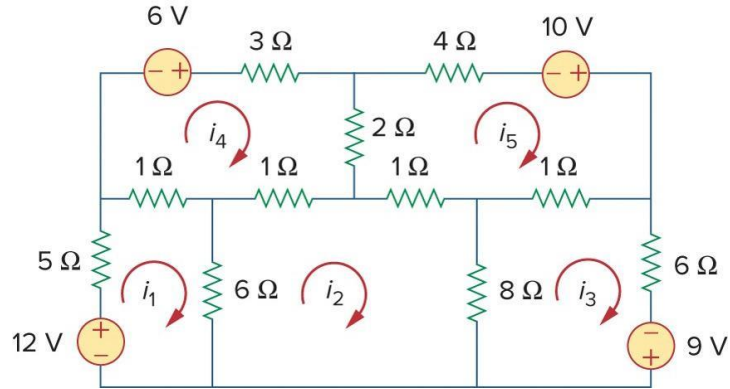
7. In the following circuit, use mesh analysis to find i_1 , i_2 , and i_3 .



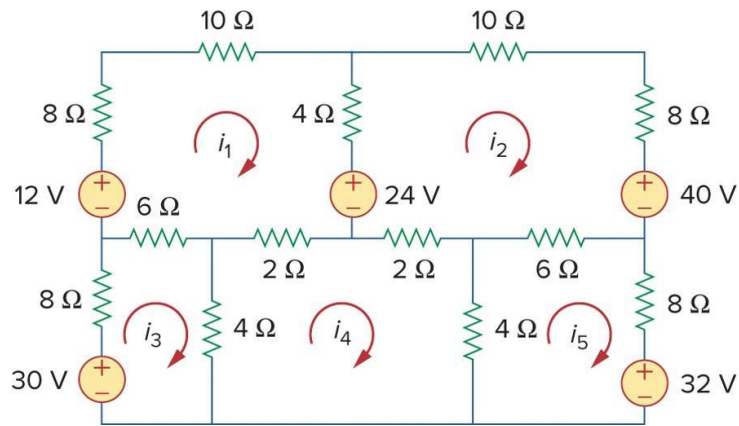
8. Find v_o and i_o in the following circuit using the mesh-current method.



9. Find the value of all the mesh currents in the following circuit using mesh analysis.



10. Find the value of all the mesh currents in the following circuit using mesh analysis.



11. Find v_o and i_o in the following circuit using the mesh-current method.

