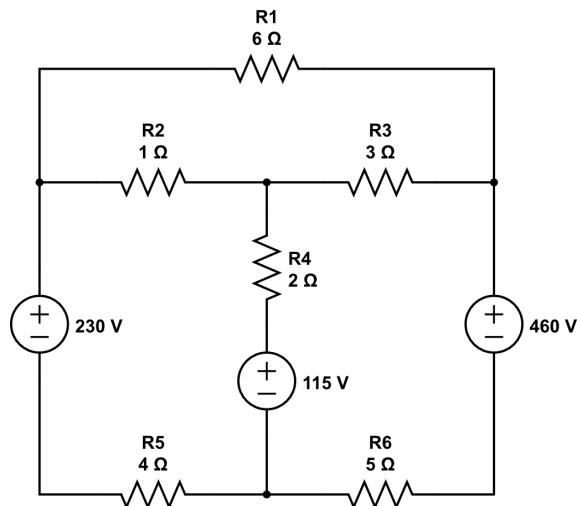


**Question 1 [10]**

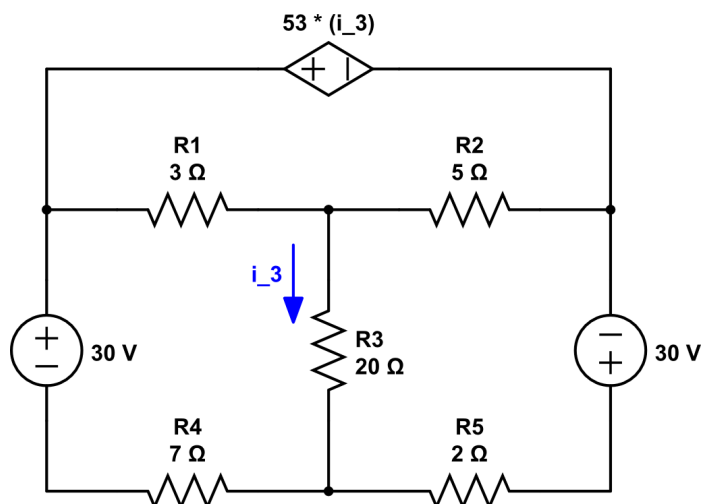
For the following circuit:



- (a) Use the Mesh-Current method to find the total power developed in the circuit.
- (b) Check your answer by showing that the total power developed equals the total power dissipated.

**Question 2 [10]**

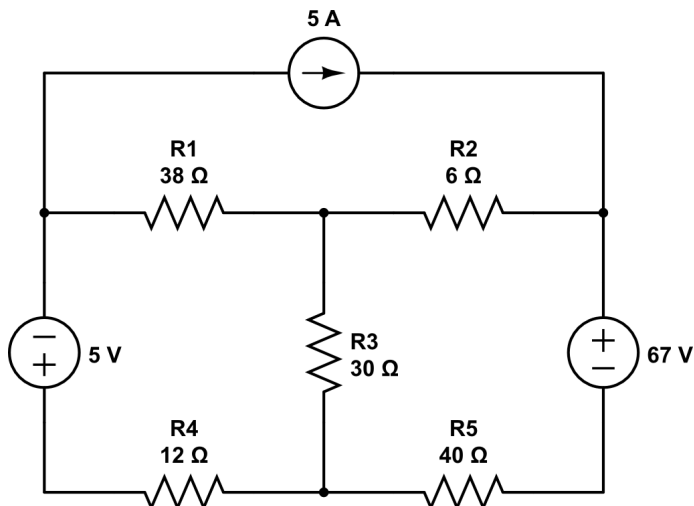
For the following circuit:



Use the Mesh-Current method to find the total power developed in the circuit.

### Question 3 [10]

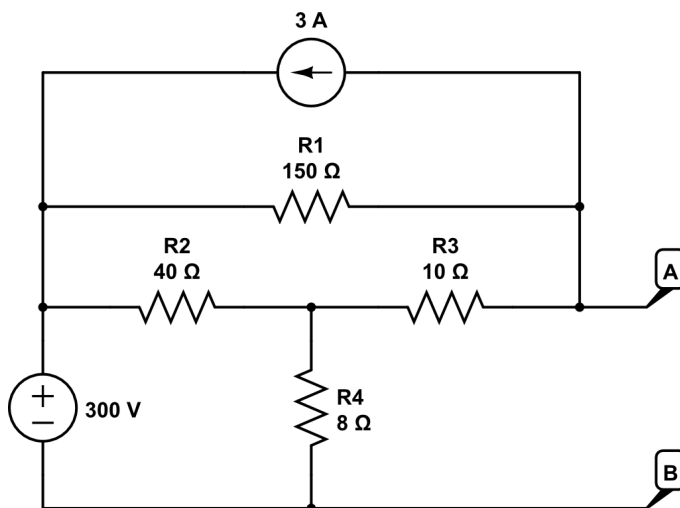
For the following circuit:



- (a) Use the Mesh-Current method to determine the amount of power the 5A current source delivers to the circuit.
- (b) Find the total power developed in the circuit.
- (c) Check your answer by showing that the total power developed equals the total power dissipated.

### Question 4 [10]

Find the Thevenin Equivalent with respect to Terminals A and B for:



### Question 5 [10]

Find the Norton Equivalent with respect to Terminals A and B for:

