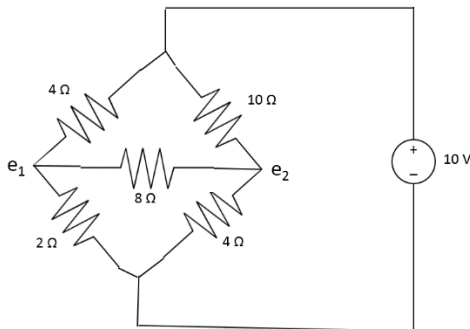
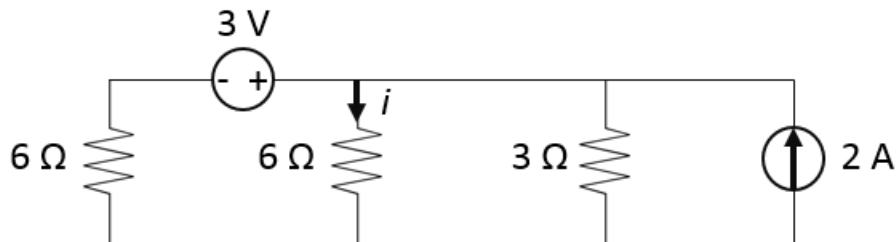


Homework 4

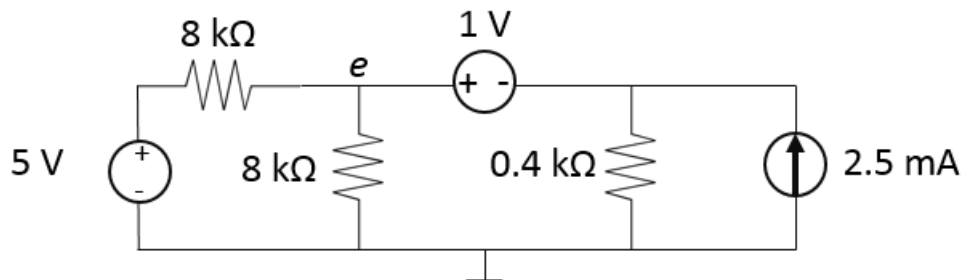
1. In the following circuit, please find the node voltage e_1 , e_2 . You need to show detailed procedure to get the values. (4 pt)



2. Use the following two different methods to find i in the circuit below. Show your detailed procedure (6 pt)



- 1) Node Method (3 pt)
 - 2) Superposition (3 pt)
3. Use node analysis to find the node potential e in following circuit (show detailed procedure). (5 pt)



4. Find node voltage e (in terms of other known values labeled) by superposition for the circuit shown below. Show your detailed procedure. (5 pt)

