

*Circuit analysis practice problems*

- Using KVL and KCL, determine the unknown currents  $I_C$ ,  $I_D$  and the unknown voltages  $V_B$  and  $V_D$  in the circuit given in Fig.1.

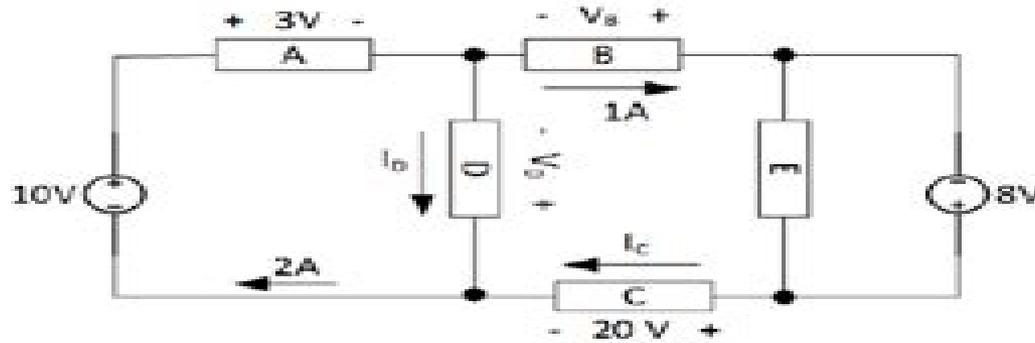


Figure 1: Practice problem

- Using series/parallel rule, determine the current  $I$  in Fig.2.

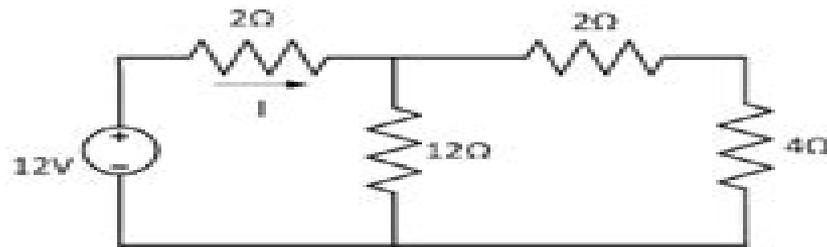


Figure 2: Practice problem

- Using branch current method, determine the unknown currents  $I_1$ ,  $I_2$  and  $I_3$  in the circuit given in Fig.3.

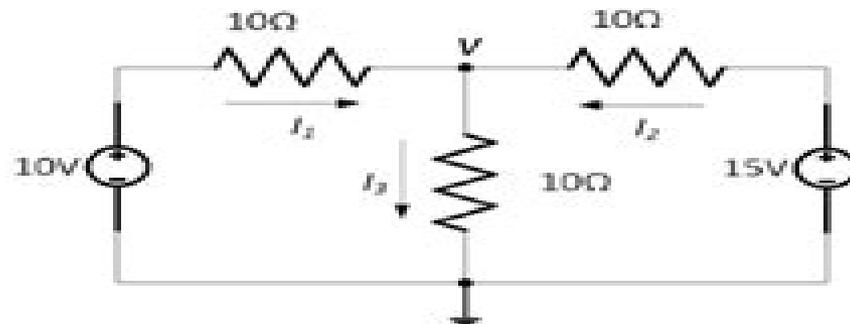


Figure 3: Practice problem

# Engineering Circuit Analysis Additional Student Problem Set With Solutions

**David E. Johnson**



## **Engineering Circuit Analysis Additional Student Problem Set With Solutions:**

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