

P2.5 In the circuit of Fig. P2.5, determine the currents in all the elements.

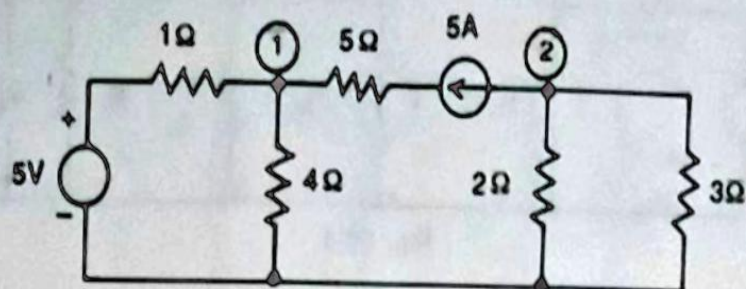


Fig. P2.5

P2.6 Using mesh analysis find the currents I_1 , I_2 , and I_3 (Fig. P2.6). Also find the power supplied by the two current sources.

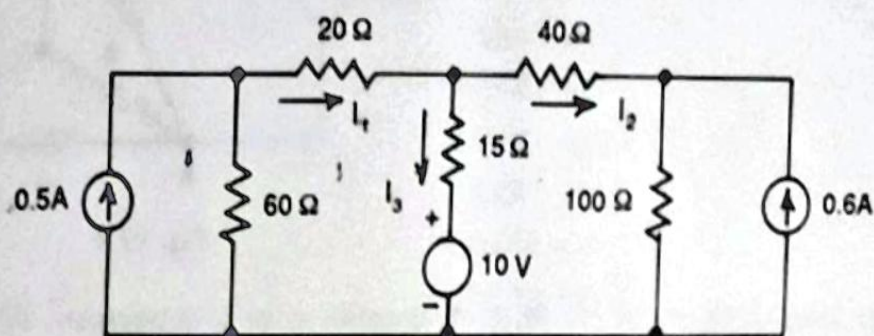


Fig. P2.6

P2.7 For the circuit of Fig. P2.7, determine the voltage at each node of the network with respect to the datum shown. All resistances are in ohms.

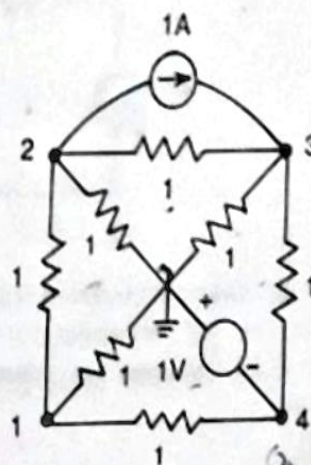


Fig. P2.7

P2.8 The circuit of Fig. P2.8 represents a transistor amplifier. Find the expression for
 (a) current gain $A_I = I_2/I_1$,
 (b) voltage gain $A_V = V_2/V_1$, and
 (c) input impedance $Z_i = V_1/I_1$.