EEE 33 Homework 1
Due: 23 June 2011

Problem 1:

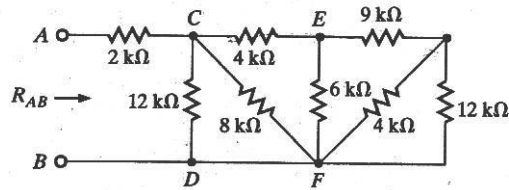Determine R_{AB} in the circuit in Fig. P2.46.

Figure P2.46

Problem 2:

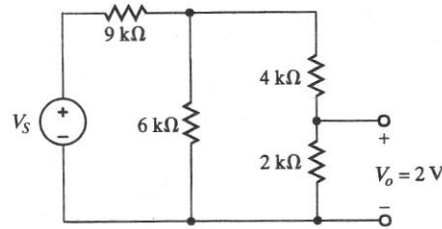If $V_o = 2\,V$ in the circuit in Fig. P2.57, find V_S.

Figure P2.57

Problem 3:

If the power absorbed by the 4-kΩ resistor in the circuit in Fig. P2.58 is 36 mW find I_o.
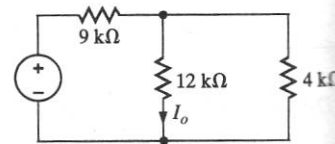

Figure P2.58

Problem 4:
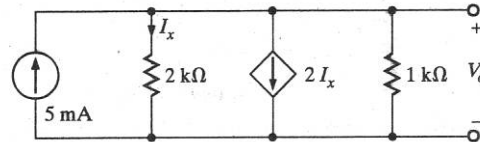
Find V_o in the network in Fig. P2.63.

Figure P2.63

Problem 5:

Find V_o in the network in Fig. P3.46 using both mesh and nodal analysis.
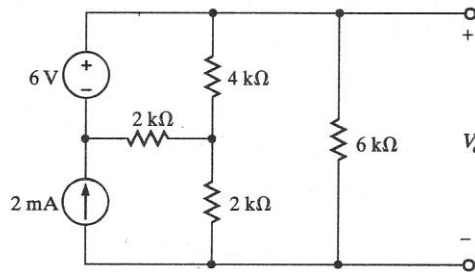

Figure P3.46

Problem 6:

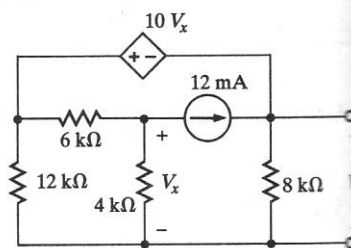Use both nodal analysis and mesh analysis to find V_o in the circuit in Fig. P3.51.

Figure P3.51