

SKEE 1023 CIRCUIT THEORY
SECTION 13
TUTORIAL 2: Method of Analysis

1. Problem 2.36

Find i and V_o in the circuit of Fig. 2.100.

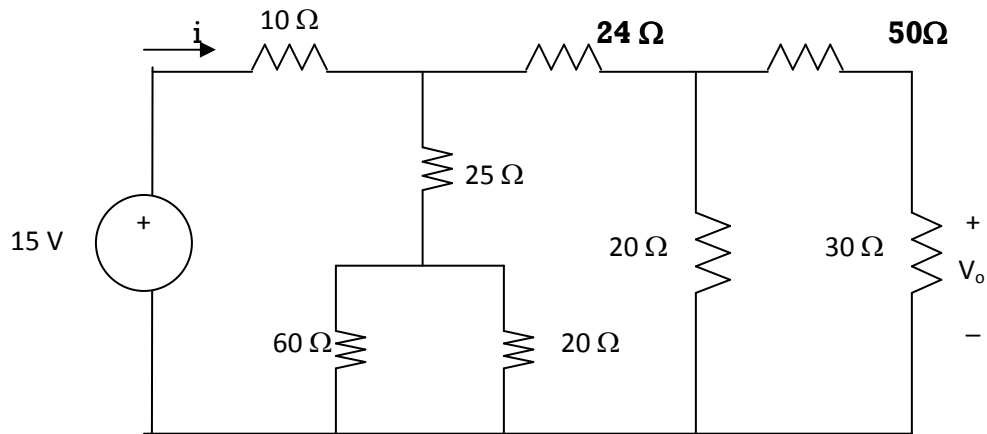


Figure 2.100

2. Problem 3.7

Apply nodal analysis to solve for V_x in the circuit in Figure 3.56.

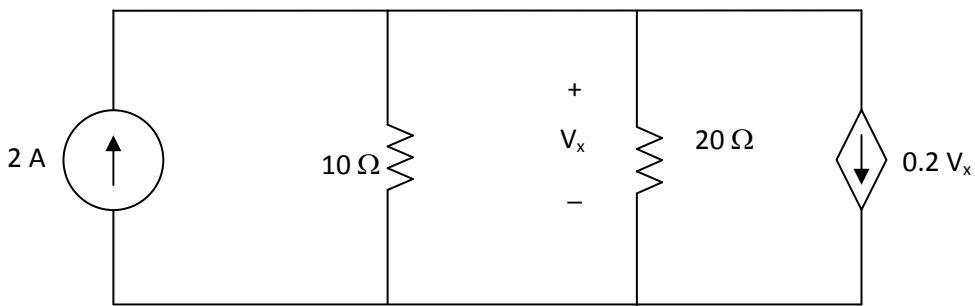


Figure 3.56

3. Problem 3.15

Apply nodal analysis to find i_o and the power dissipated in each resistor.

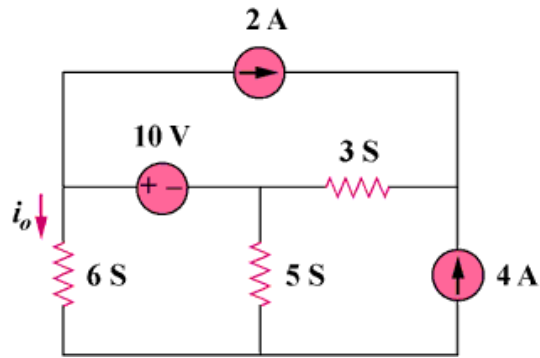


Figure 3.64

4. Problem 3.20

For the circuit in Figure 3.69, find v_1 , v_2 , and v_3 using nodal analysis.

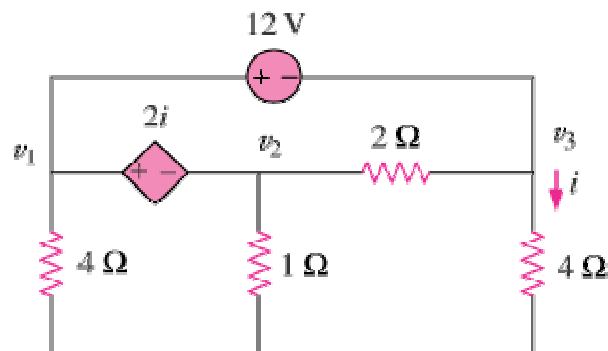


Figure 3.69

5. Problem 3.22

Determine v_1 and v_2 in the circuit in Fig. 3.71.

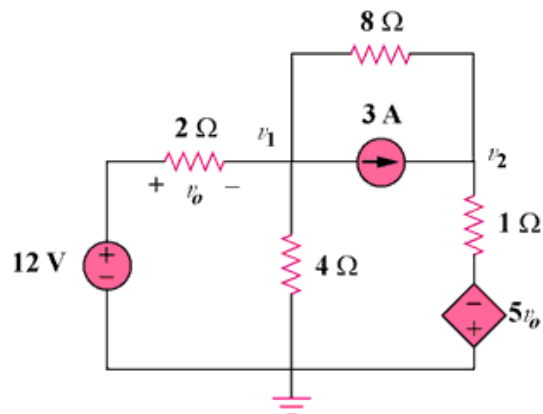


Figure 3.71

6. Problem 3.32 (assignment group B)
Obtain the node voltages v_1 , v_2 , and v_3

