

Homework 3

1. (4.6, p161) Use the node-voltage method to find v_0 in the circuit in Fig. 1.

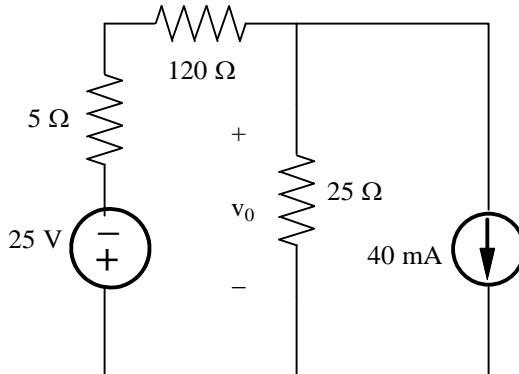


Fig. 1.

2. (4.9, p161) Use the node-voltage method to find v_1 and v_2 in the circuit shown in Fig. 2.

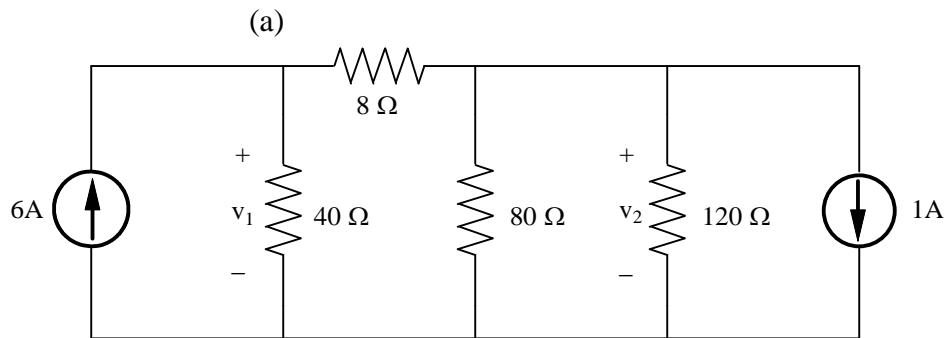


Fig. 2.

3. (4.25, p164) Use the node-voltage method to find the value of v_0 in the circuit in Fig. 3.

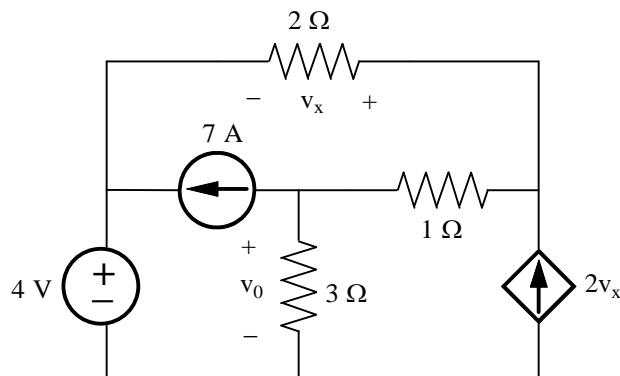


Fig. 3.