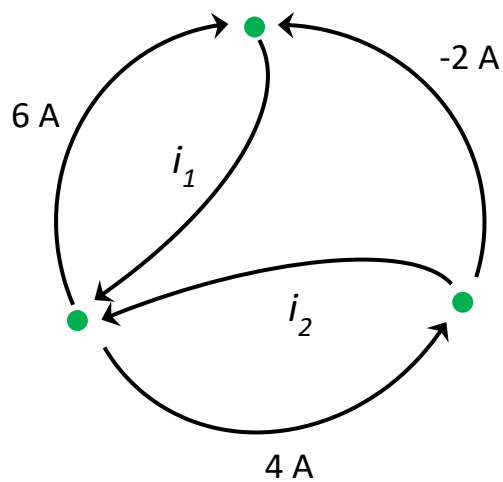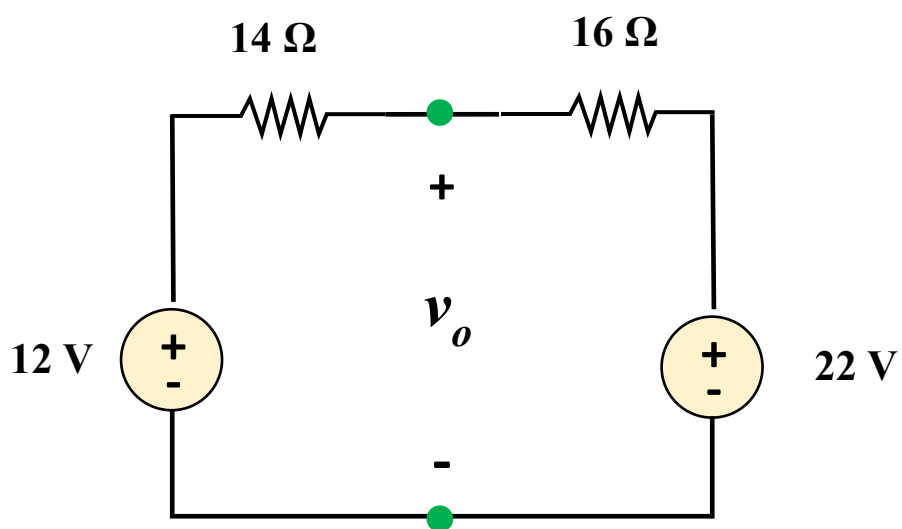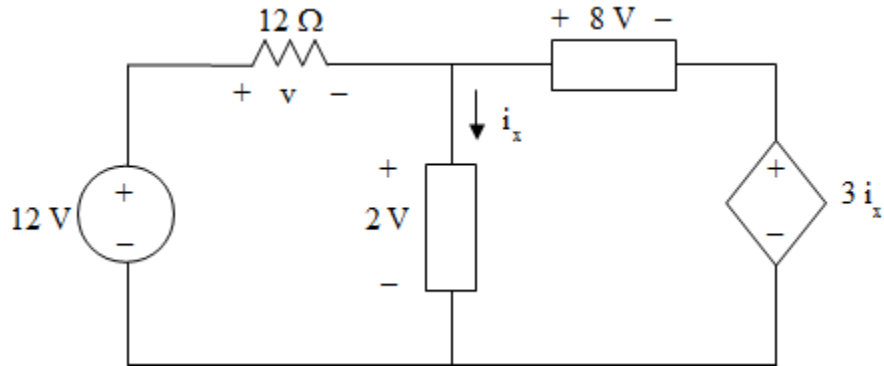3.1   Determine i_1 and i_2 in the circuit.
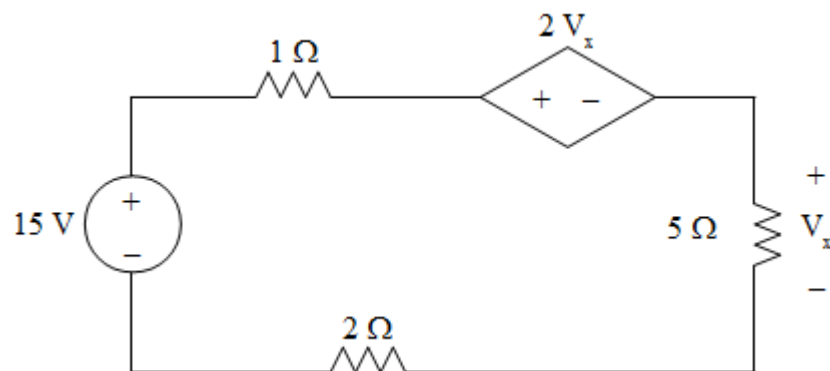

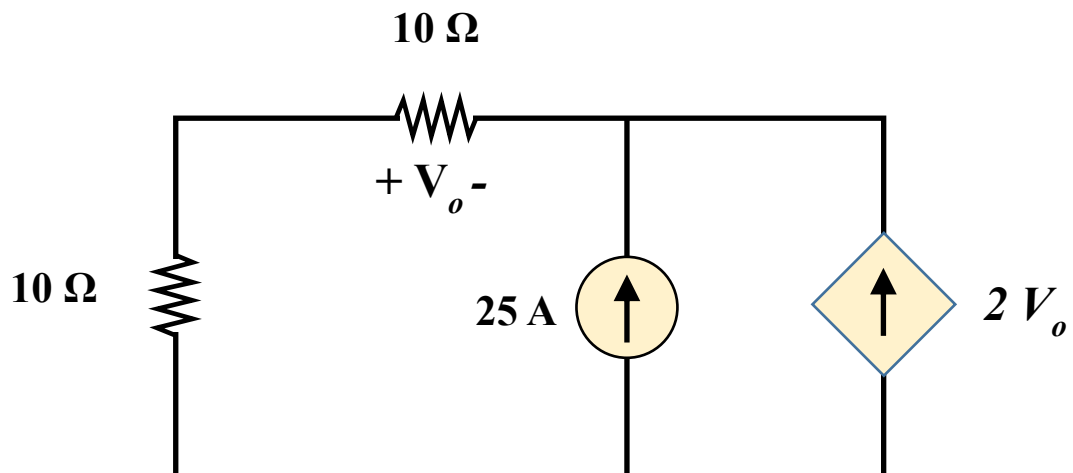3.2   Determine v_o in the circuit below

3.3   Calculate v and i_x in the circuit.
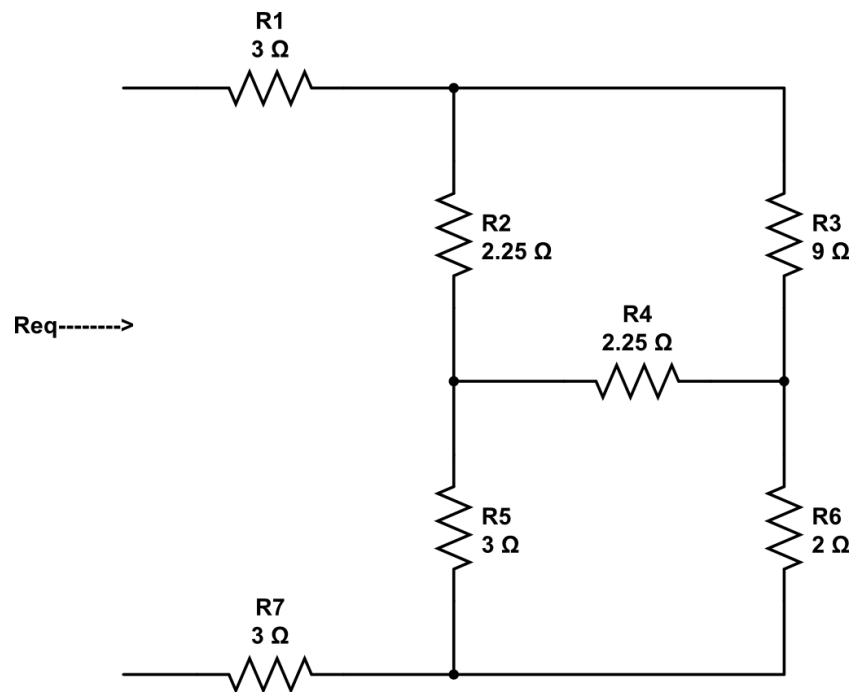

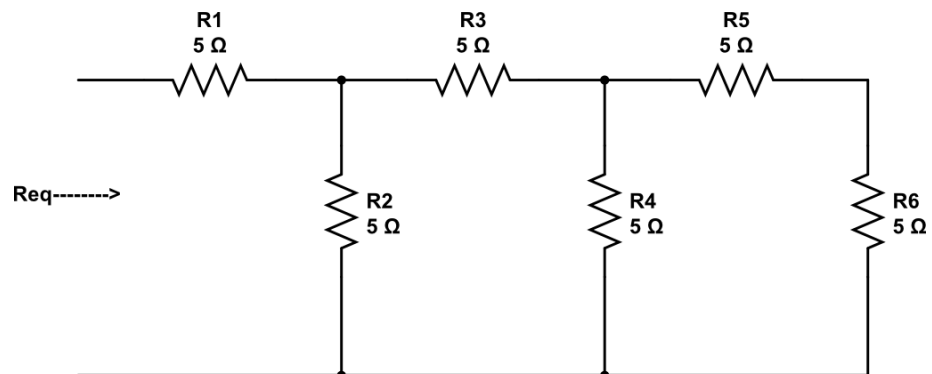3.4   Find V_x in the circuit.

3.5   Find the voltage, V_o in the circuit below and calculate the power absorbed by the dependent source.

3.6   Use the wye-delta transformation to find Req, for the circuit below

R1
3 Ω

R2
2.25 Ω

R3
9 Ω

R4
2.25 Ω

Req------->

R5
3 Ω

R6
2 Ω

R7
3 Ω

3.7   Determine Req for the circuit below

R1
5 Ω

R3
5 Ω

R5
5 Ω

Req------->

R2
5 Ω

R4
5 Ω

R6
5 Ω

3.8   Using series/parallel combinations find the equivalent resistance seen by the source in the following circuit.