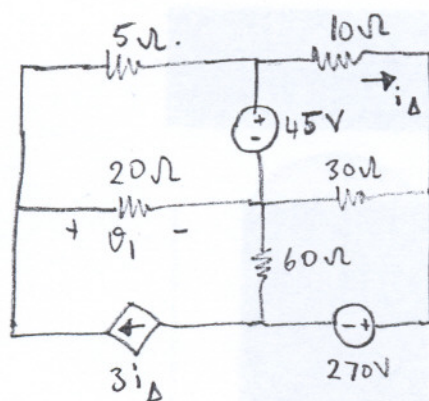
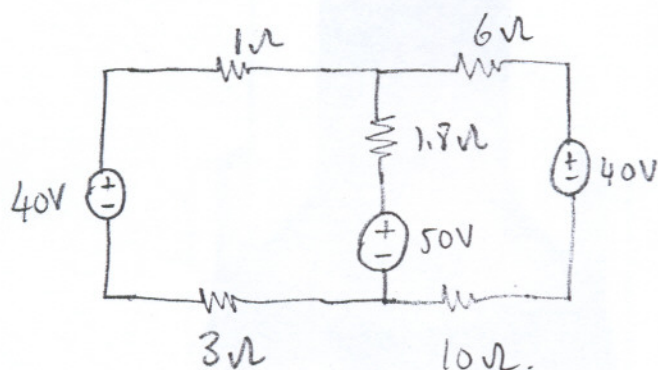


EE 209
HW #2① [Nilsson, 3rd Edition, Pr. 4.10]Use node analysis to find ϕ_1 .

② [Pr. 4.17]

Find the power of the 50V source. Is it absorbing or supplying power



- a) Solve the circuit with the node-analysis method.
 b) Solve " " " " mesh-analysis method.

③



* R_L is a variable resistor.
 * R_S is the internal resistance of the source, hence it is constant.

- a) Find i , in terms of V_S, R_S, R_L