

## 6. PSpice Simulation

**Objectives:** This experiment emphasizes the software simulation for circuit behaviors. Specifically, this lab is to derive a Thevenin equivalent circuit using the PSpice.

**Pspice:** Introduction to the Pspice was presented, and is available on the class note web page.

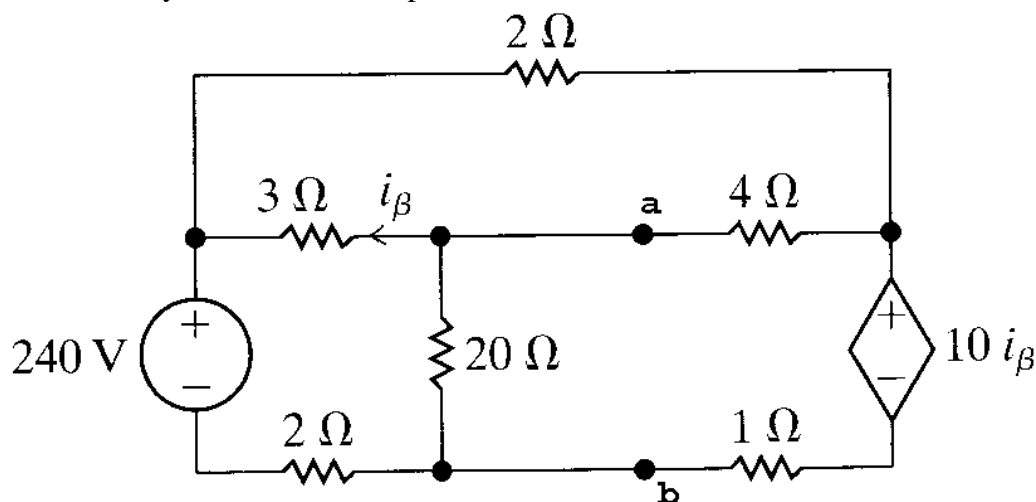
### PRE-LAB -6

There is no pre-lab for this experiment.

LAB -6:                      Name: \_\_\_\_\_                      ID#: \_\_\_\_\_

**(This assignment must be done and submitted by the next lab after Pspice Introduction)**

1. Find, by calculation, the Thevenin equivalent circuit at the terminals **a** and **b** for the network shown below. Show your work in the report.



2. Use PSpice to find the Thevenin equivalent circuit at the terminals **a** and **b** for the network above. Be sure to provide all the circuit diagrams and simulation results, and the final Thevenin equivalent circuit diagram, in your report.