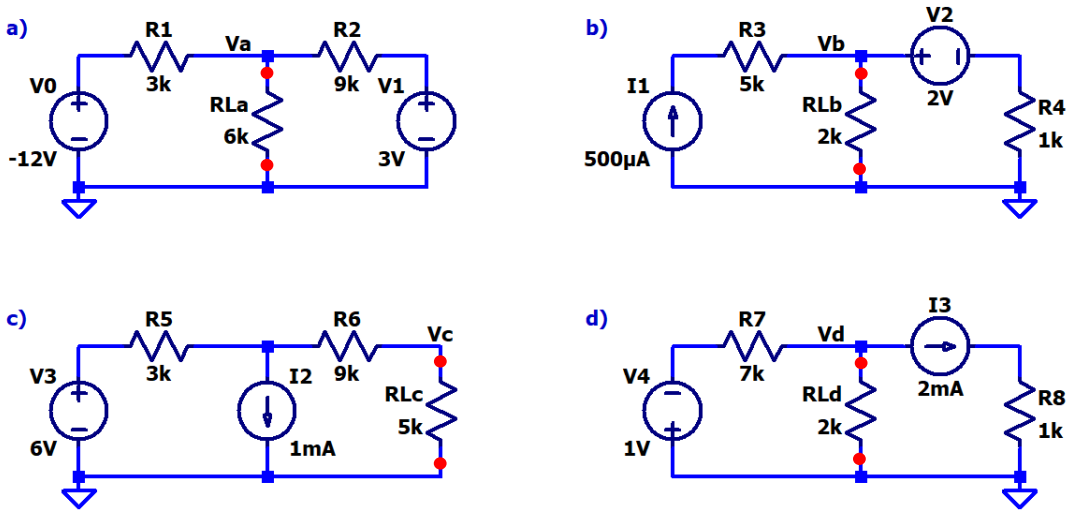
HW8 – Due Wednesday, February 23
EE220 – Circuits I
Spring 2022

To get full credit:

- Show your work.
- Put a box around each of your answers.
- Make sure to **follow all instructions.**

1. Determine the voltages labeled in the circuits below using any method you choose. Then, find the Thevenin and Norton equivalent circuits for the given circuits when the **load resistor (RLa, RLb, RLc, RLd) is removed**. Verify that your equivalent circuits are correct using LTspice to simulate the original circuits, the Thevenin equivalent circuits, and the Norton equivalent circuits **when the load resistor is connected**. (10 points)



2. Determine the voltages and currents in the circuits given below using **both mesh analysis and superposition**. Verify your work using LTspice. No need to verify twice, but there should be hand calculations for both mesh analysis and superposition. (10 points)