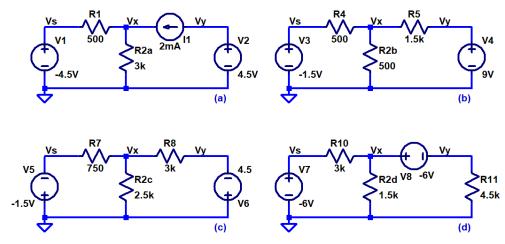
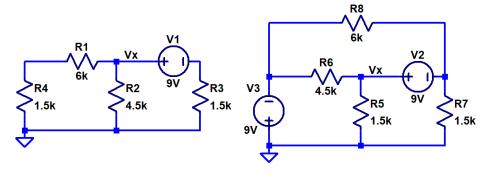
H.W. #7 EE 220 Fall 2022

Show your work for credit!

1. Find the Thevenin and Norton equivalent circuits between Vx and ground with R2 removed. Show that when you connect R2 to the Thevenin and Norton equivalents that you get the same value for Vx. Verify your hand calculations using LTspice. Note that you can also Thevenize the circuits between Vx and ground with R2 present. (8 points)



2. Determine the currents and voltages in the following circuits using mesh analysis. Verify your hand calculations using LTspice. (4 points)



3. Find all voltages in the following circuit. Verify your hand calculations using LTspice. As always, show your work for credit. (2 points)

