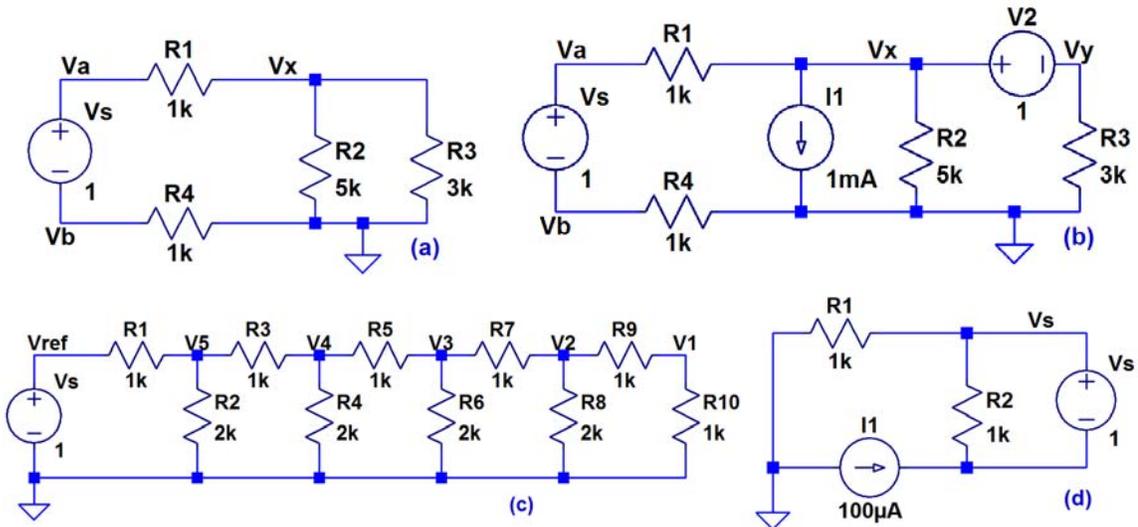
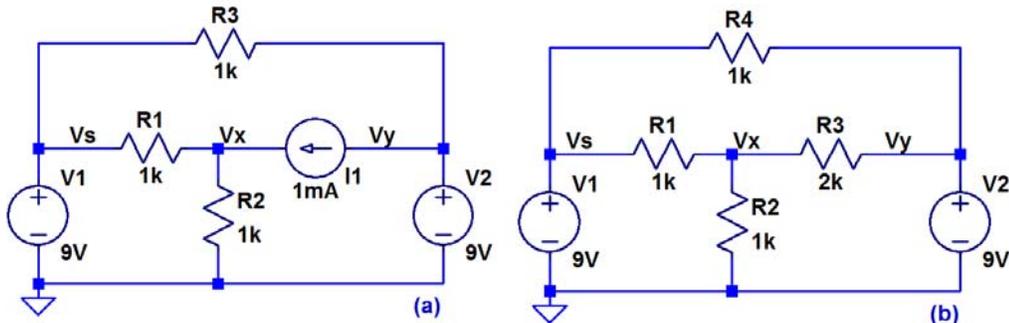


Show your work for credit!

- Find the voltages in the following circuits using any method you would like. Verify your hand calculations using LTspice. (4 points)



- Determine the currents and voltages in the following circuits using superposition and mesh analysis. Verify your hand calculations using LTspice. (6 points)



- For the circuits in problem 2 find the Thevenin and Norton equivalent circuits from V_x to ground without R_2 in the circuit. Show, with R_2 back in the circuit, that you get the same value for V_x that you calculated in problem 2. Verify your Thevenin and Norton circuits are correct using LTspice. (4 points)