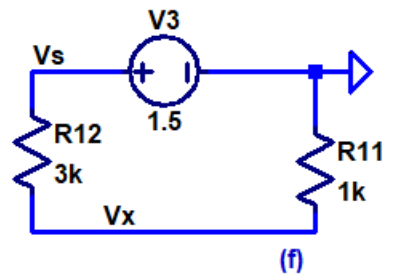
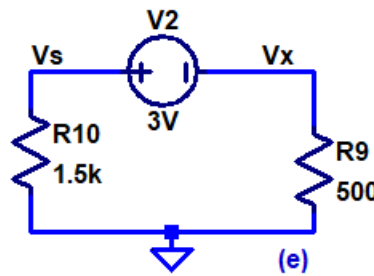
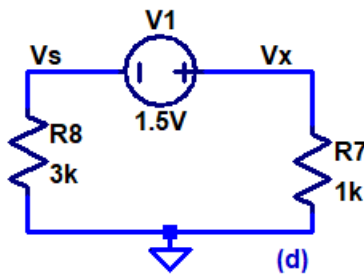
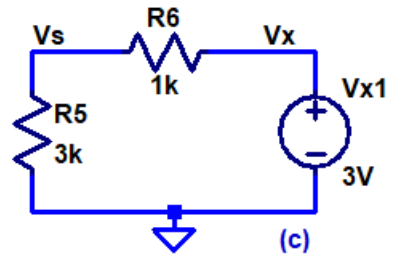
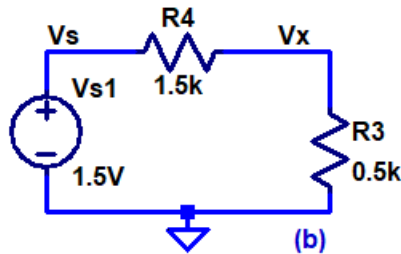
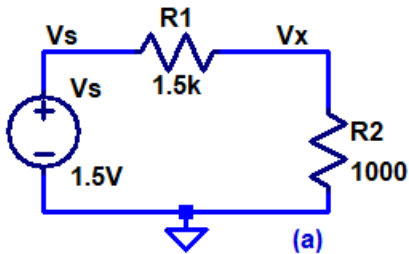


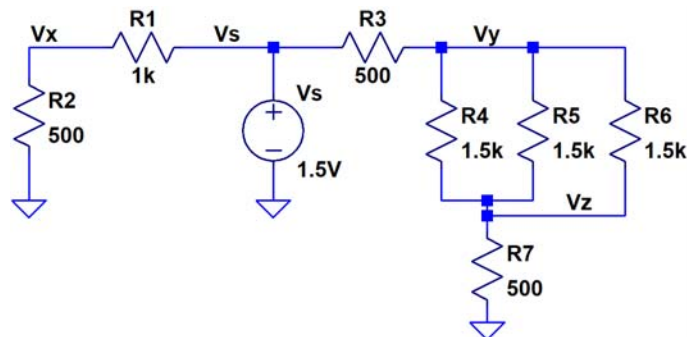
H.W. #3 EE 220 Fall 2018

Show your work for credit and put a box around each of your answers!

- Find the voltages V_x and V_s in each of the following circuits. Verify your hand calculations using LTspice. (6 points)



- Find the voltages in the following circuit. Verify your hand calculations using LTspice. (6 points)



- Show how to derive the voltage divider equation and the current divider equation for a two-resistor circuit. Ensure your derivation includes the two schematics you are using. Provide an example for each derivation. (4 points)
- Do book problem 2.37. Verify your answer with LTspice. (4 points)