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| Student Name:  Student ID: | EEE 201 Electrical Circuits  Term Project |
| External view of potentiometer shows rotating shaft and three terminals a, b, and c.  Setup the circuit and by adjusting potentiometers POT1 and POT2 such that the voltage difference becomes 1.XY volt where XY are rightmost two digits of your student ID. Example: for student ID=210203925 Voltage=1.25V **Take a photo showing your setup** and the correct voltage value. Insert the photo here: | |
| Once you adjusted the voltage, measure the resistance of potentiometer between a-b and b-c terminals.  POT1ab=\_\_\_\_\_\_\_\_\_\_\_\_\_\_ohm POT1bc=\_\_\_\_\_\_\_\_\_\_\_\_ohm  POT2ab=\_\_\_\_\_\_\_\_\_\_\_\_\_\_ohm POT2bc=\_\_\_\_\_\_\_\_\_\_\_\_ohm | |
| Draw the circuit above with measured POT resistance values and calculate the voltage difference between middle terminals of potentiometers using **LTspice**. | |
| Measure internal resistor of a 1.5V battery, by using 100 ohm, 10ohm etc. Copy/paste the pictures showing the voltage at open circuit and closed circuit with resistor and calculations. | |