PreLab Calculations/Measurements

- Verify that All Resistances lie Between *1 kΩ and 5kΩ*
- Ensure that Two Resistors ~ *1000 Ω*
- Power Dissipated by Potentiometer *@5Vdc* $V_{in:}$ _____
- Maximum Power Dissipated in R_1 R_2 *@5Vdc* $V_{in:}$ _____
- Expected Range of Output Voltages:_____

  Based on Resistor Range from 1KΩ to 2 KΩ
- Actual Potentiometer Resistance (*k=1*):_____%Deviation_____
- Actual Potentiometer Resistance (*k=0*): _____%Deviation _____
- Find Rotation Point on Potentiometer where *k=0.5*, Mark with "Sharpie" Felt Tip Pen

-- Perform Calculation to Ensure that ¼ Watt Limit is not Exceeded for any Resistor with Any Potentiometer Setting at @5Vdc V_{in}