## 1.4.3: Circuit Input Resistance (25 points total)

1. Estimated relationship between Vin and iin from prelab. Estimated input resistance for circuit (4 pts)
2. Circuit schematic with measured resistance values implemented in circuit (2 pts)
3. Attach to this worksheet a plot of the measured voltage-current data. Your plot should include the five measured points and a straight line approximating the data. In the space below, provide your estimate of the input resistance of the circuit, based on these data. (8 pts)
4. Attach to this worksheet a table including (at least) four combinations of Vin and iin applied to circuit, calculated input resistances for each combination, and the average input resistance over all measured values. In the space below, comment on the agreement between the input resistance determined in parts 3 and 4. (6 pts)
5. **DEMO**: Have a teaching assistant initial this sheet, indicating that they have observed your circuits’ operation. (5 pts)

**TA Initials: \_\_\_\_\_\_\_**