Part I: measure a 1, 1h, and 1 M sz resistor.

Precautions to consider

1 Meanment lead raistance 1 Human body restatance

Voltage Divider

1) Heave battery voltage exactly 2) Construct voltage divides A,5 13

Part II Humidity sensor

D 4.5V to Vec through divider

(a) Convert Vont → 7. RH using calibration curve.

Part II Places to consider reuswerents

O House Go Parting Charage

STEP 1 develop a hypothesis

hypothesis- "a position based on initial/timited evidence."

as a starting point for futher investigation

in Lab OCT 2018

IMIL Bent IMIL Straight IKIL Bent INIC Straight

0.989 M\_R 1.020 HS 0.985 kr 8.87 V

1 KL → 4.42 V 1 MM -> 4,29 V

Rmichael = 70 kg

Ruires = 0.522 total

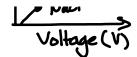
Up Risert | Rm | M. O. Bent +> Us = 8,07 V | kr. Bent +> Vs = 8.86 V

O Explain body error in large resistors @ Explain Lead error in small resistors

Jon 1.660 @

Anbient

2.75 J@Bleath





## Required Questions/Analysis

- 1 Present data clearly (Tables? Graphs?)
- 2) If doing curve fits for data, is there a theoretical basis for a particular curve fit. (ex. linear)
- 3 Analyzing data expected trends
- 9 Observations and discrepancies of data Reasons results are different than expected Try to quantify the effects of these discrepancies.
- B Possible improvements
  → Test setup
  → Procedure
- 6 Other applications (of measurement system)?