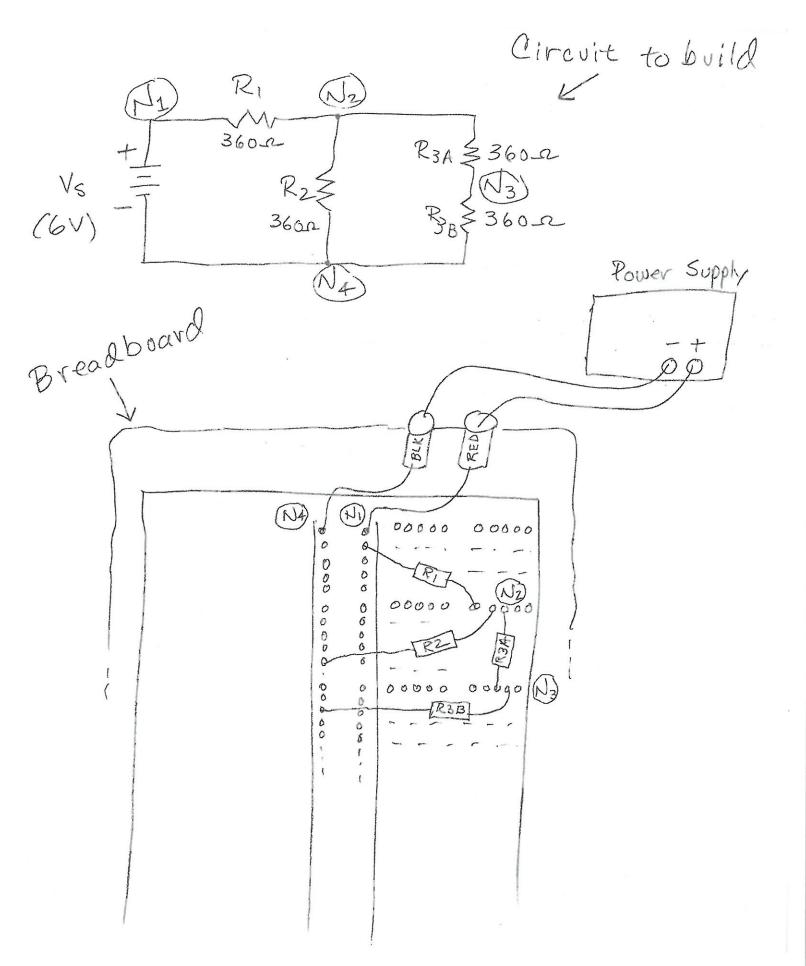
EGR 182 Lab #4 - Handout 1A



EGR 182 Lab #4 - Handout 1B

Let's predict our measurements, using Ohm's Law and KVL:

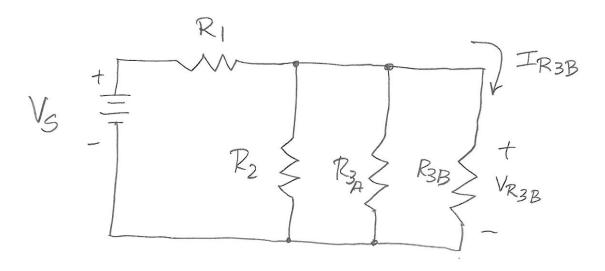
$$Reg. = \frac{R_2 \cdot R_3}{R_2 + R_3} = \frac{360 \cdot 720}{360 + 720} = 240 \Omega$$

$$IR_1 = \frac{V_S}{R_1 + R_{eq}} = \frac{6V}{360 + 240} = \frac{6V}{600 L} = 0.01 A = [10 \text{ mA}]$$

$$V_{R2} = 6V - V_{R_1} = 6V - 3.6V = |2.4V|$$

$$IR_2 = \frac{VR_2}{R_2} = \frac{2.4V}{360a} = \frac{16.7mA}{1}$$

EGR 182 Lab #4 - Handout 2



Circuit for Exercises 2 and 5

(all resistors = 360 sam)