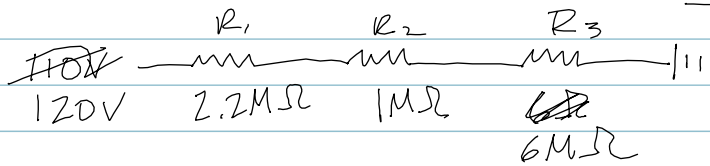
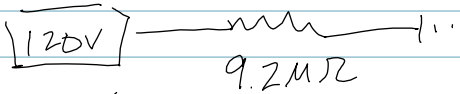
CRAFTOE V. DIV. SAT 29TH



2.2MΩ = 2,200,000 Ω
1MΩ = 1,000,000 Ω
6MΩ = 6,000,000 Ω ✓+

STEP 1 CALC. EQUIV. CIRC.



$\frac{V}{R} = \frac{IR}{R}$ $I = \frac{V}{R}$ $\frac{120}{9.2 \times 10^6}$

$I = 0.0000130$ A ← CONSTANT

STEP 2 CALC DROPS

$V = IR$

VOLTAGE DROP IS PROPORTIONAL TO RESISTANCE

$R_1 = I \times R = .000013 \times 2.2M = 28.6V$

$R_2 = I \times R = .000013 \times 1M = 13V$

$R_3 = I \times R = 0.000013 \times 6M = 78V =$

$120V = 2\text{ IT!} = \boxed{119.6V}$