

# Review

Wednesday, May 23, 2018

10:25 AM

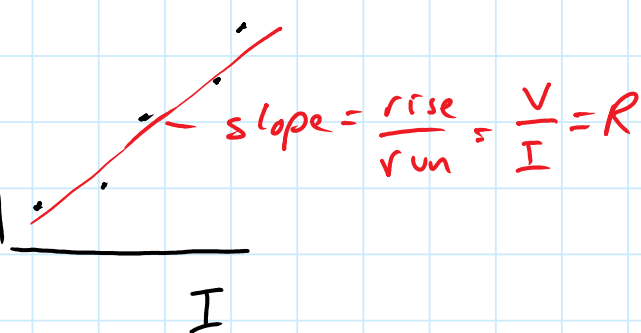
- 10 M.C. - easy calc
- concepts (Kirchoff laws, change a resistor)
- 4 written (5 marks)

30 marks

Current  $I = \frac{Q}{t}$ ,  $Q = I \cdot t$ ,  $Q = ne^-$

$V = IR$ ,  $V$

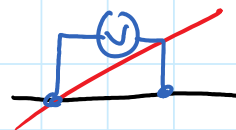
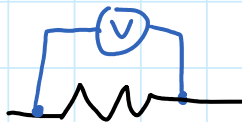
$P = V \cdot I$  } output device  
 $= I^2 R$  } device



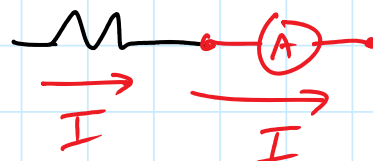
power out of battery = power used by all devices

Resistance  $\rightarrow R_{eq} = R_1 + R_2 \dots$   
 $\frac{1}{R_{eq}} = \frac{1}{R_1} + \frac{1}{R_2} + \dots$

Meters : Voltmeter (Voltage)  
 (difference between 2 sides of a device)



: Ammeter (Current thro)



$V_T \dots \dots V_T = \mathcal{E} \pm Ir$

$V_{\text{Terminal}}$

$$\underbrace{V_T = \mathcal{E} \pm I r}_{\text{equation}} \quad \underline{\underline{r}} \text{ — use chart.}$$

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