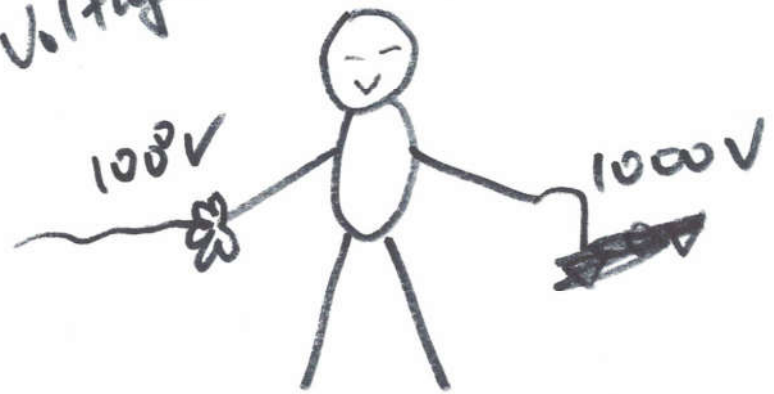
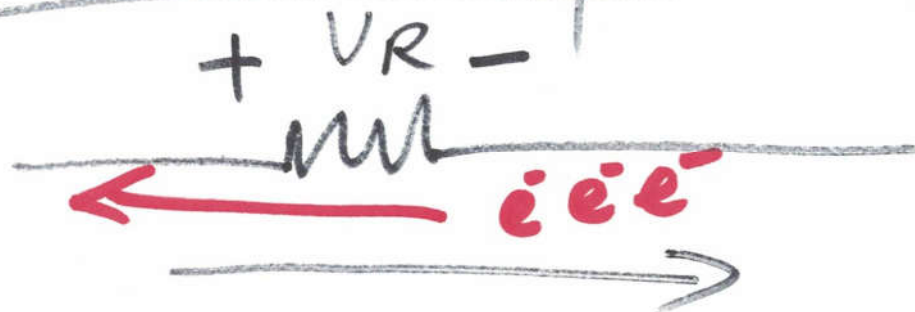


Voltage DWP  
Voltage Difference

$V_A - 0V = V_A$



# Ohm's Law



I

$$I = \frac{V_R}{R}$$

$$R = \frac{V_R}{I}$$

$$V_R = I \cdot R$$

current:

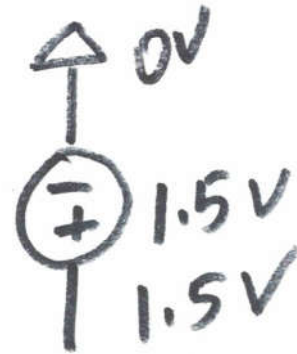
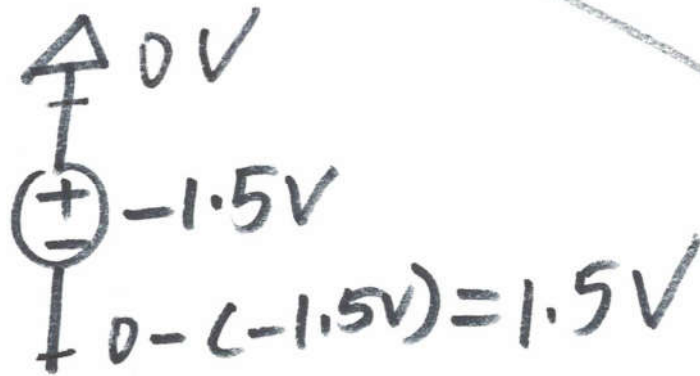
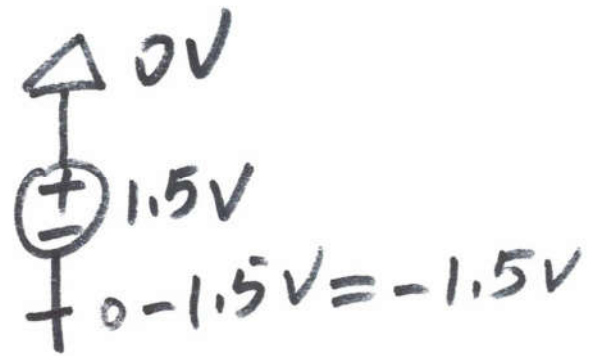
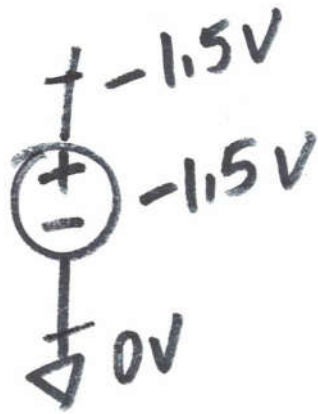
Amp

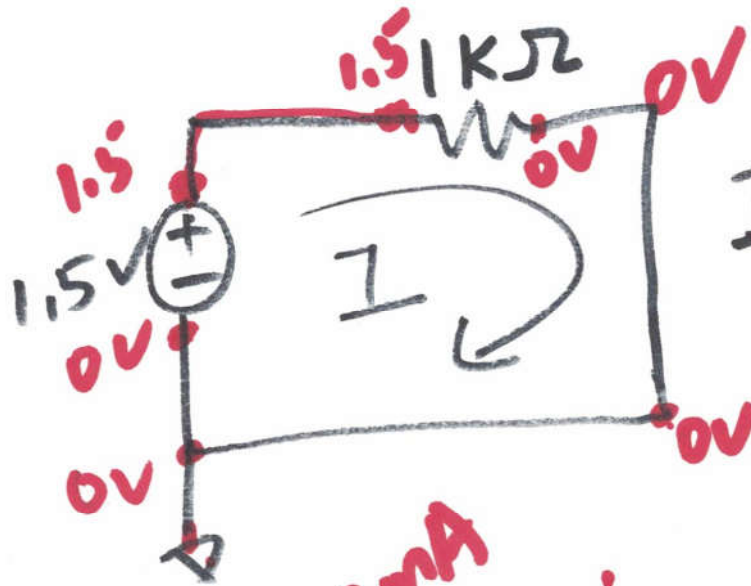
A

Resistance

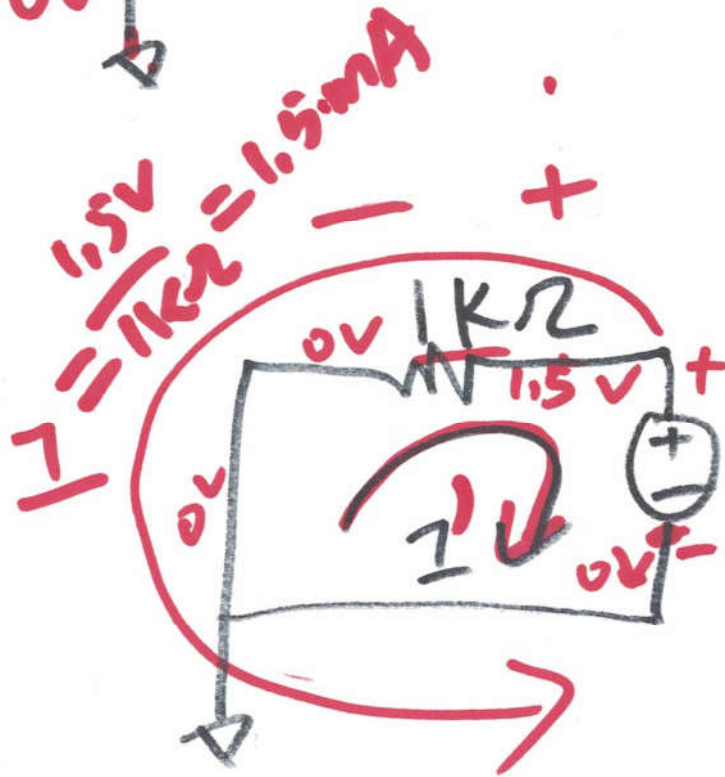
$\Omega$

$$\frac{\text{Vol}}{\Omega} = A$$





$$I = \frac{V}{R} = \frac{1.5V}{1000\Omega} = 1.5 \times 10^{-3} A = 1.5 mA$$



$$I' = \frac{1.5V}{1k\Omega} = 1.5 mA$$

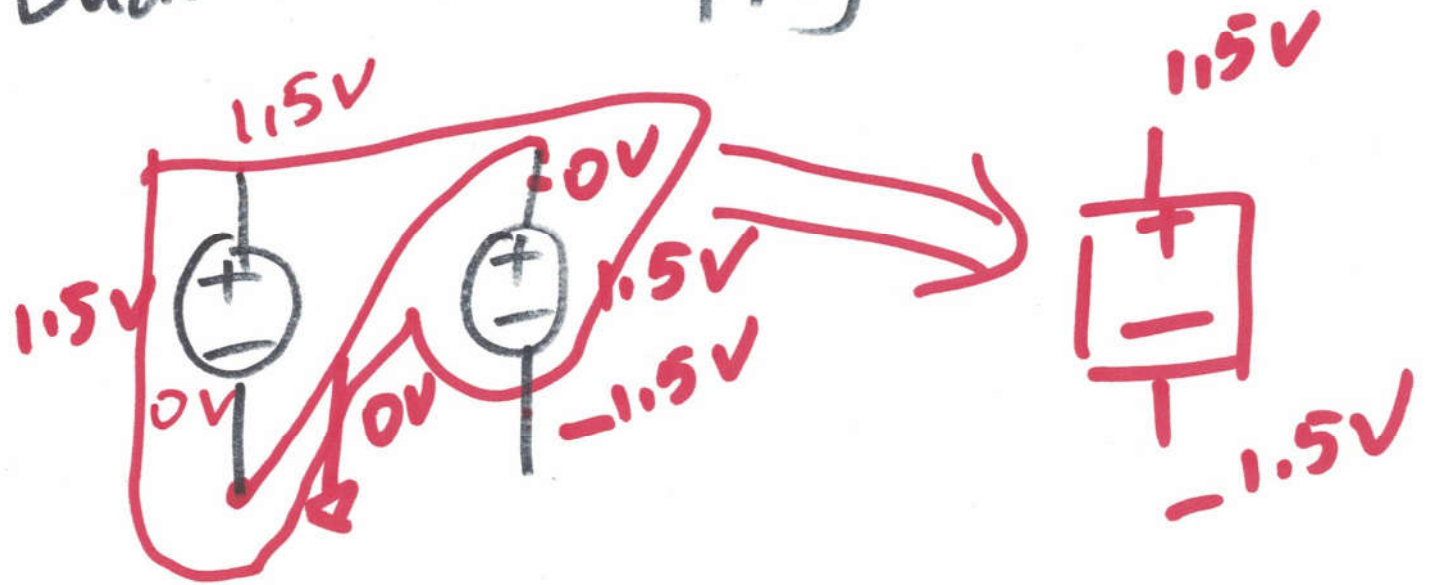
$$\frac{1000V}{10^6 \Omega} = 1 mA$$

10mA

$$I' = -1.5 mA$$

5

# Dual Power Supply



(b)