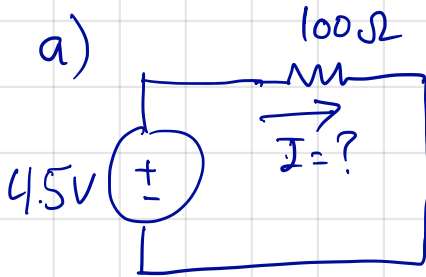
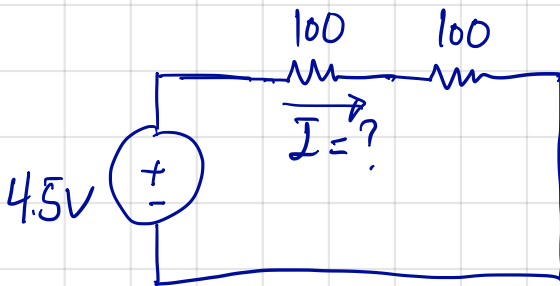


# Ch17 LAB-a (Electric Circuits)

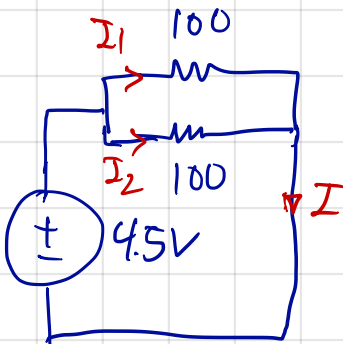
1) Draw Schematic below and Calculate Current  $I$  and Verify with Simulation



$$I = ?$$



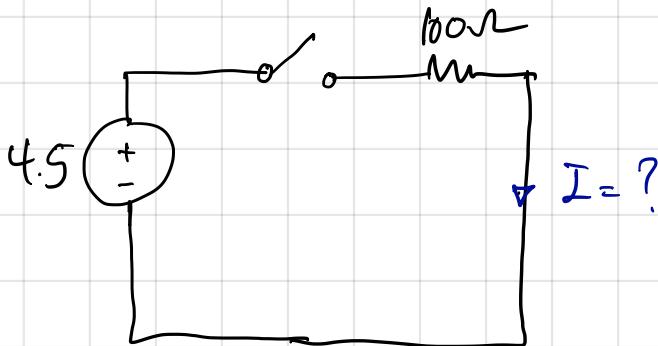
$$I = ?$$



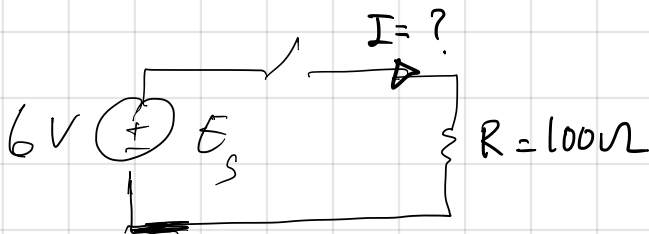
$$I = ? \quad I_1 = ? \quad I_2 = ?$$

2)

a)



b)



for above circuits:

What is  $I$  when switch is open

$I = ?$

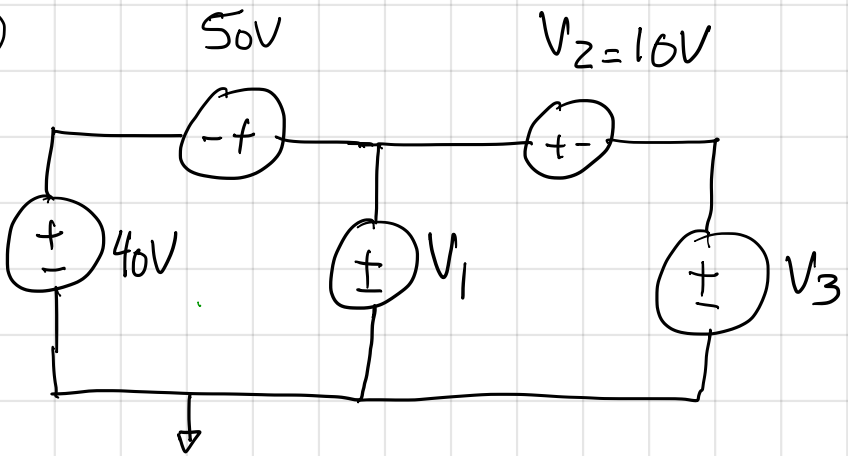
What is  $I$  when switch is closed

$I = ?$

What is Power consumed by 100Ω resistor

Power = ?

3

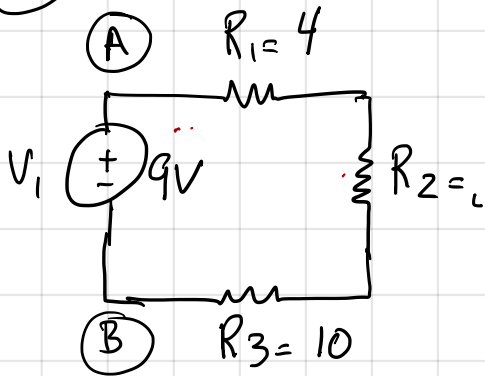


Find

$$V_1 =$$

$$V_3 =$$

4



what is the total resistance between  
a) node A, B  $R =$

b) what is the total current between node  
(A) and (B)  $I =$

c) what is the Voltage drop across  $R_1$ ,  $R_2$

$$V_{R1} =$$

$$V_{R2}$$

5 what is the current  $I_a$

