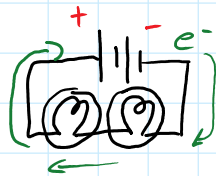
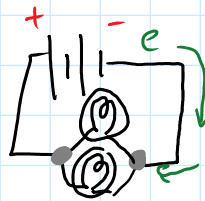


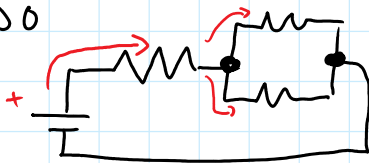
Series Circuit: one device is followed by another  
one path for the electrons/current to travel



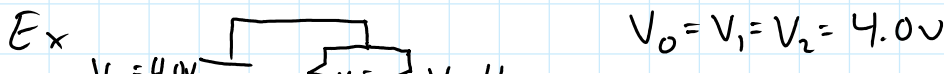
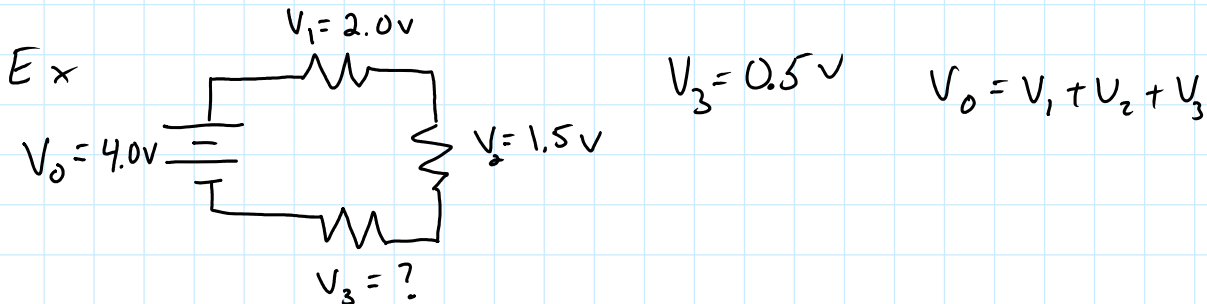
Parallel Circuit: split or junction in the circuit  
: more than one possible path for electrons/current

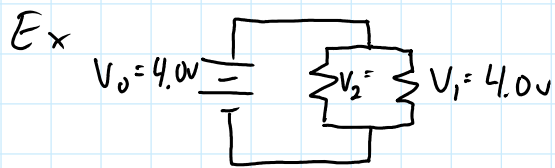


Combo

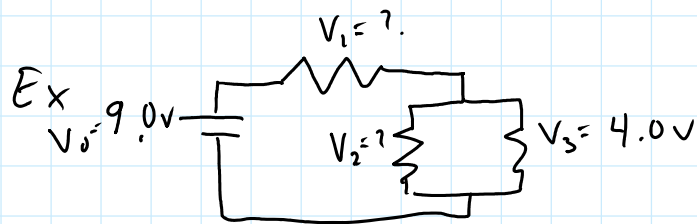


The Voltage Law: The sum (add) of the voltage increases (battery) = the sum of the voltage decreases/drop (light/resistor) for one complete path.





$$V_0 = V_1 = V_2 = 4.0\text{V}$$



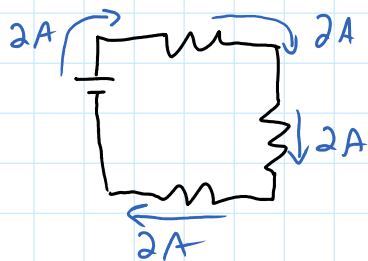
$$V_2 = V_3 = 4.0\text{V}$$

$$V_1 = 5.0\text{V}$$

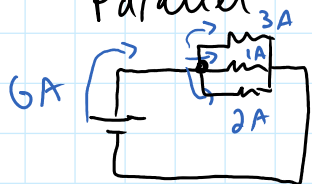
### Current Law

Series: No junction or split, the  $I$  out of the source (battery) =

$I$  through out the entire circuit



Parallel: Total  $I$  into a junction = the sum of the  $I$  in each parallel portion



P.3 #1-6

1) B   2) 4.0C   3) x:I   y:e   4)  $V_1 = 5\text{V}$   
 $V_2 = 1.0\text{V}$

5) A   6) C