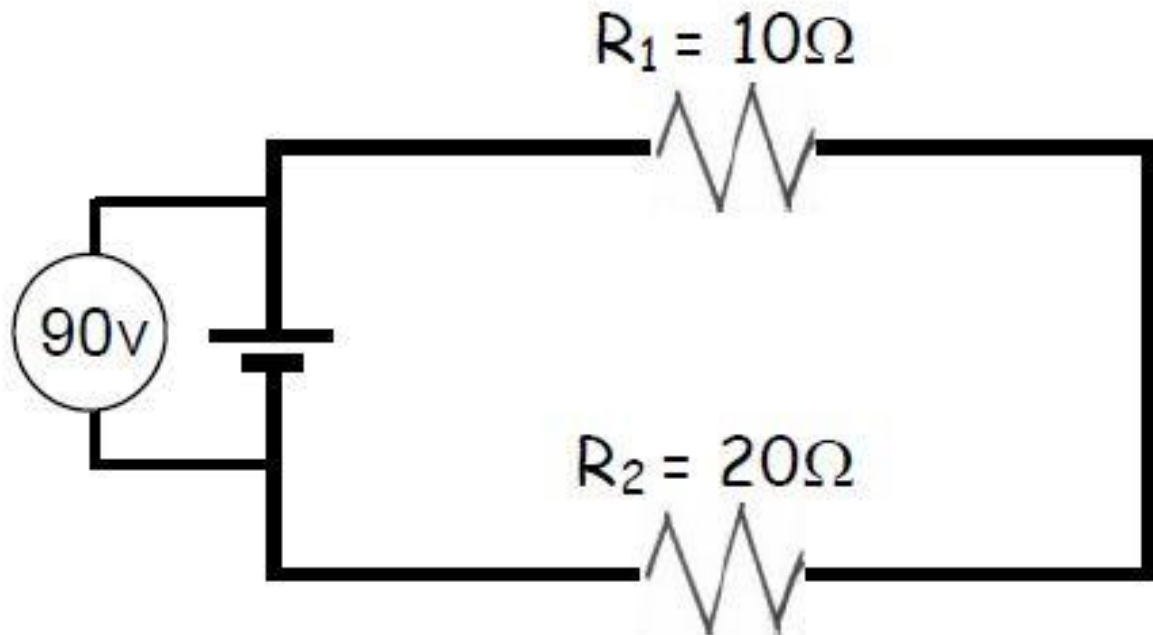
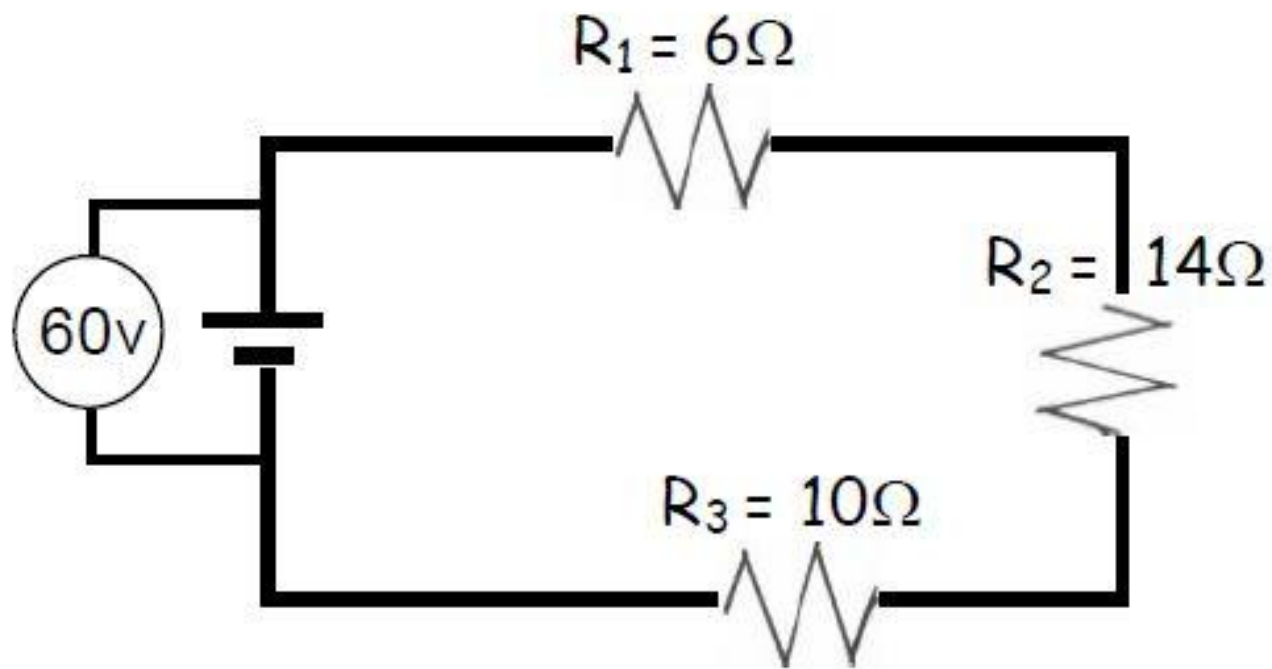


Remember that in a series circuit:

- the **current** in every part of the circuit (is the same, adds up).
- the **voltage** supplied by the battery is the _____ voltage of the circuit, and the voltage drops across each resistor (is the same, adds up to) the total voltage.
- to calculate total **resistance**, (add, use reciprocals).



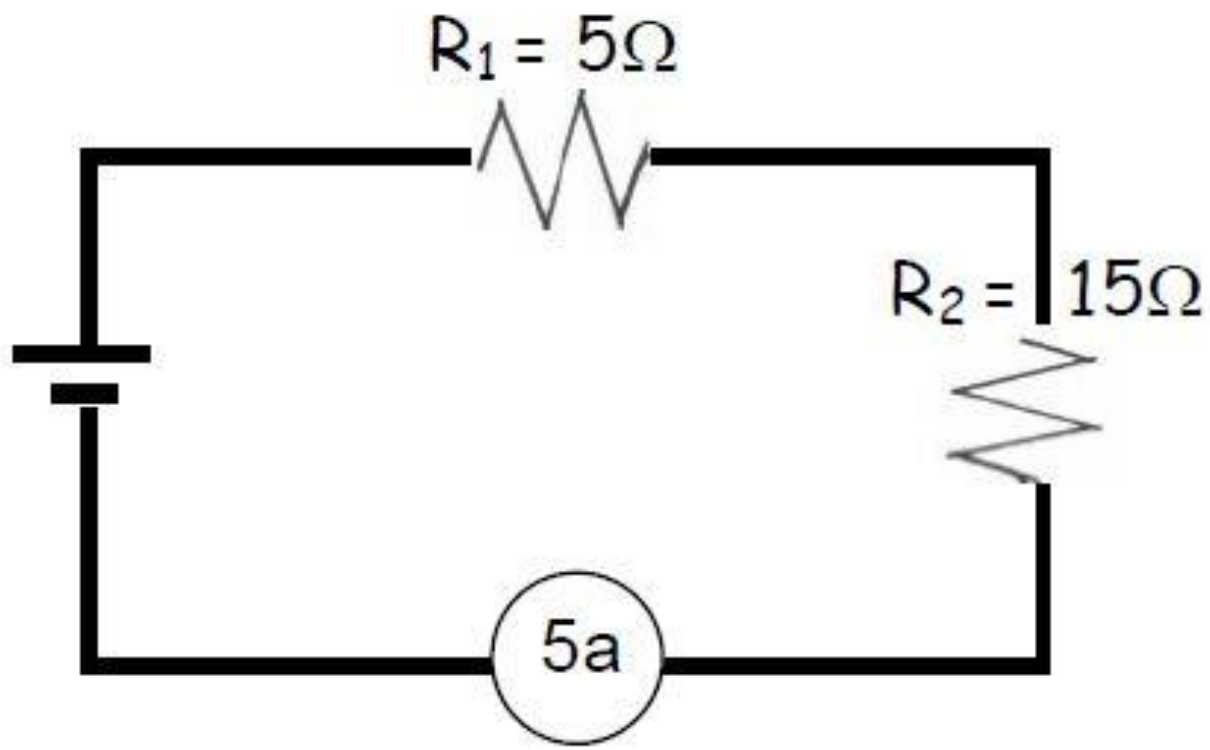
$R_T =$ _____ $I_T =$ _____
 $I_1 =$ _____ $I_2 =$ _____
 $V_1 =$ _____ $V_2 =$ _____



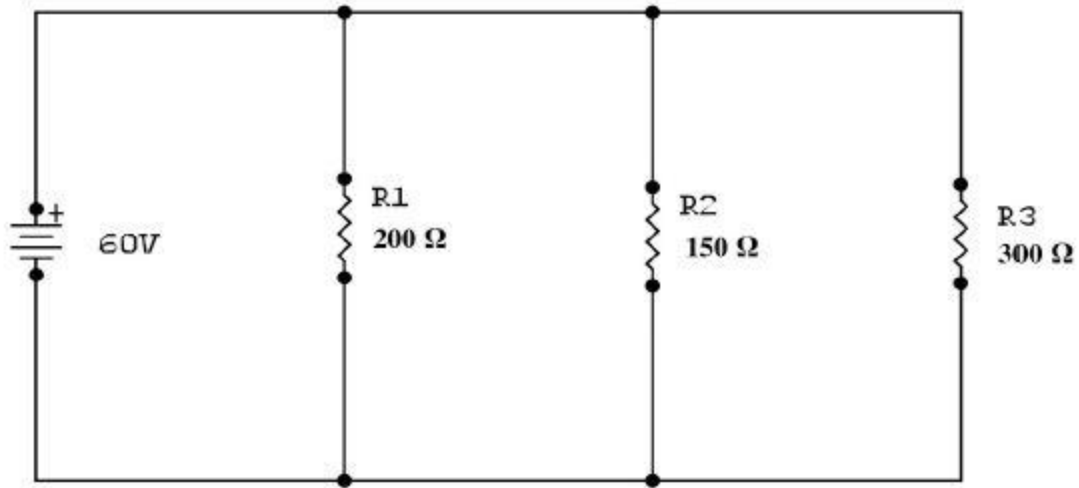
$$R_T = \underline{\hspace{2cm}} \quad I_T = \underline{\hspace{2cm}}$$

$$I_1 = \underline{\hspace{2cm}} \quad I_2 = \underline{\hspace{2cm}} \quad I_3 = \underline{\hspace{2cm}}$$

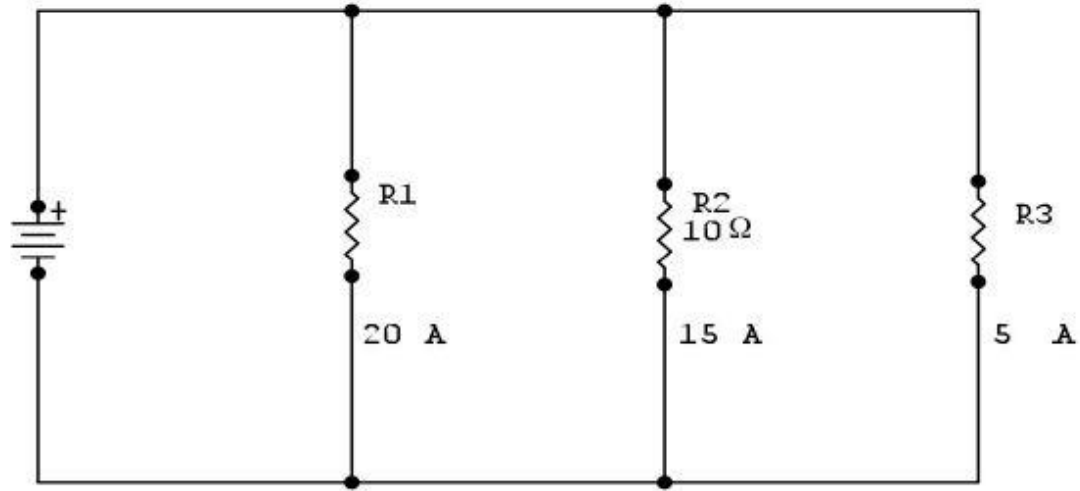
$$V_1 = \underline{\hspace{2cm}} \quad V_2 = \underline{\hspace{2cm}} \quad V_3 = \underline{\hspace{2cm}}$$



$V_1 =$ _____ $V_2 =$ _____ $V_T =$ _____



| Voltage | | Resistance | | Current | |
|----------|-----|------------|------|----------|--|
| V_t | 60V | R_t | | I_t | |
| V_{R1} | | R_1 | 200Ω | I_{R1} | |
| V_{R2} | | R_2 | 150Ω | I_{R2} | |
| V_{R3} | | R_3 | 300Ω | I_{R3} | |



| Voltage | | Resistance | | Current | |
|----------|--|------------|------|----------|------|
| V_t | | R_t | | I_t | |
| V_{R1} | | R_1 | | I_{R1} | 20 A |
| V_{R2} | | R_2 | 10 Ω | I_{R2} | 15 A |
| V_{R3} | | R_3 | | I_{R3} | 5 A |