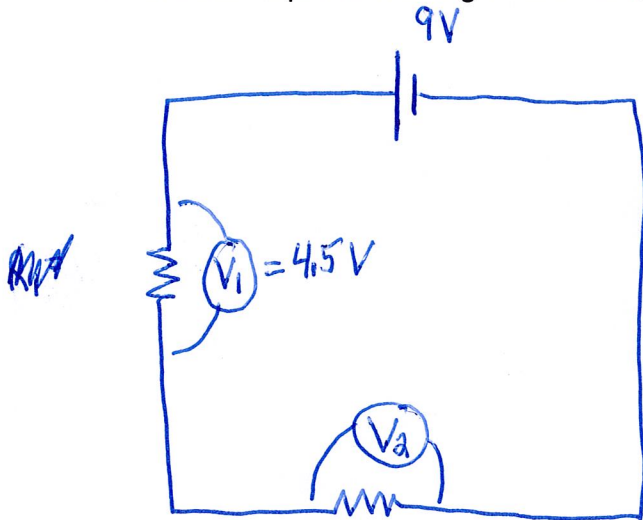


# Physics 11 Circuit Analysis – Worksheet #2

## Kirchoff's Laws

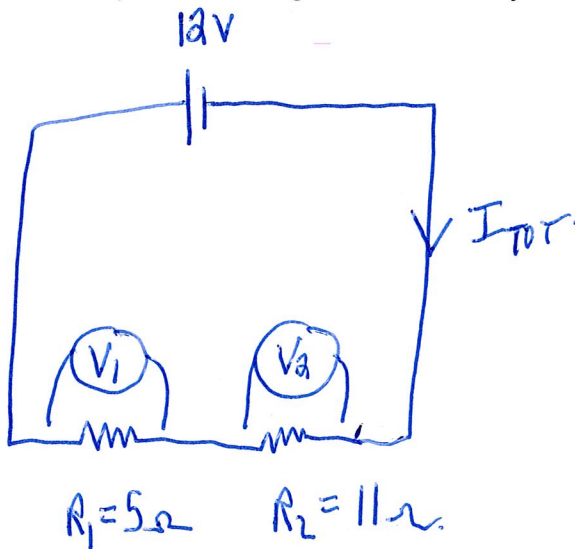
Name: \_\_\_\_\_

1. Find the required missing values. Show your working in clearly defined steps.



$$V_2 = \underline{\hspace{2cm}}$$

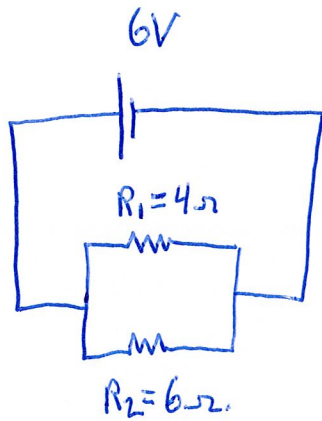
2. Find the required missing values. Show your working in clearly defined steps.



$$I_{\text{TOT}} = \underline{\hspace{2cm}}$$

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

3. Find the required missing values. Show your working in clearly defined steps.

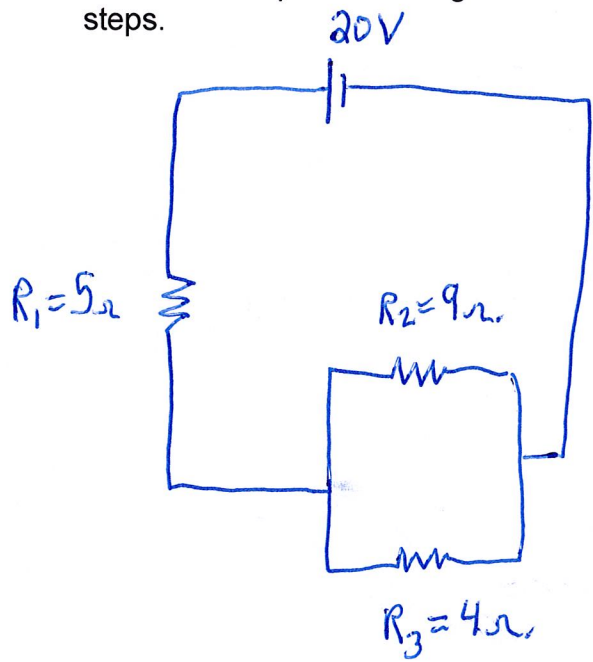


$$I_{TOT} = \underline{\hspace{2cm}}$$

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

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

4. Find the required missing values. Show your working in clearly defined (boxed) steps.



$$I_{TOT} = \underline{\hspace{2cm}} \quad V_1 = \underline{\hspace{2cm}}$$

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