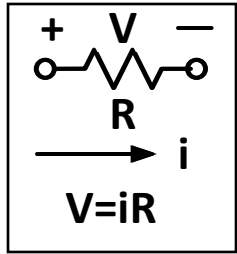


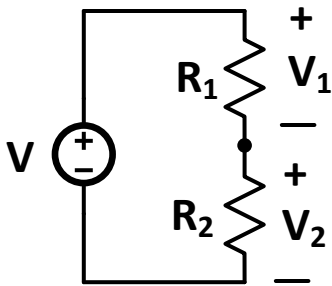
### Ohm's Law:



### Resistor Combinations:

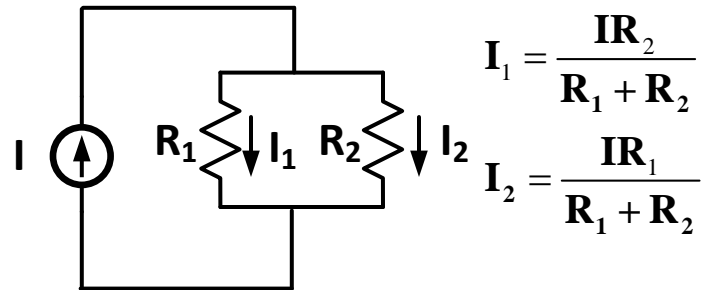
(a) Series:	(b) Parallel:
$R_{eq} = \sum_{k=1}^N R_N$	$\frac{1}{R_{eq}} = \sum_{k=1}^N \frac{1}{R_k}$
$R_{eq} = R_1 + R_2$	$R_{eq} = \frac{R_1 R_2}{R_1 + R_2}$

### Voltage and Current Dividers:



$$V_1 = \frac{VR_1}{R_1 + R_2}$$

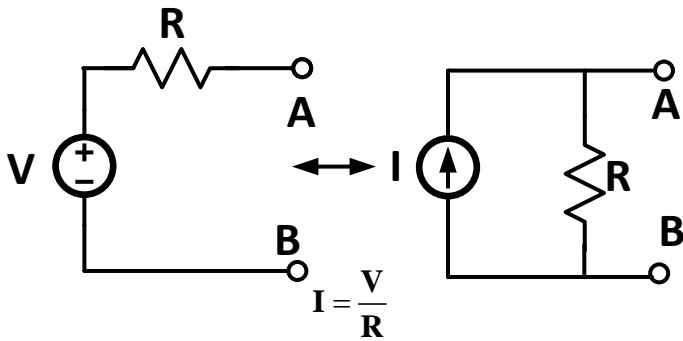
$$V_2 = \frac{VR_2}{R_1 + R_2}$$



$$I_1 = \frac{IR_2}{R_1 + R_2}$$

$$I_2 = \frac{IR_1}{R_1 + R_2}$$

### Source transformation



### Thevenin Equivalent

