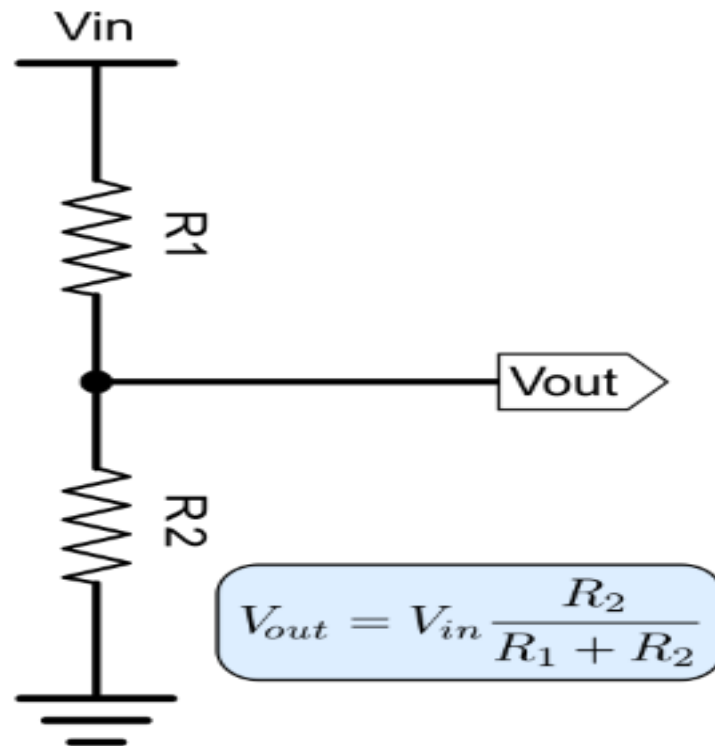


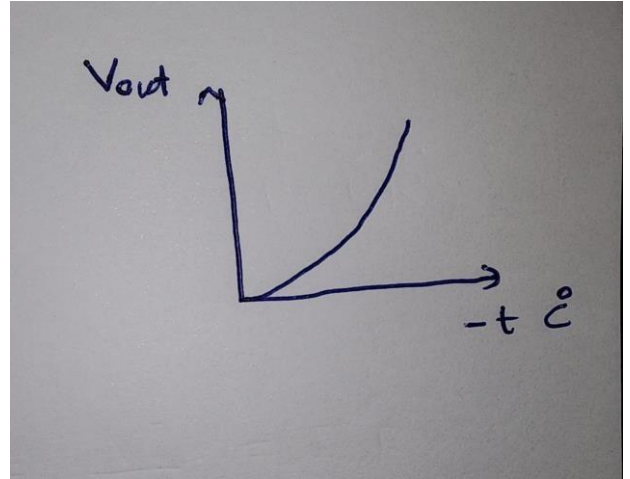
Voltage Divider :-

- *Voltage divider used to divide voltage by resistance.*



- *Voltage divider should not use to supply any load that consumes more than 10 mA.*

- In potentiometer resistance :-



- $Power = (V_{out})^2 / R = (I^2) * R$

LDR (light dependent sensor) :-

- is a very small light sensor.
- A photocell changes resistance depending on the amount of light.
- Resistance increases when light decreases.
- Resistance decreases when light increases.

Types of LDR :-

- 1-** Intrinsic Photoresistor. This type of photoresistor is made with pure semiconductors
- 2-** Extrinsic Photoresistor. This type of photoresistor uses a doped semiconductor