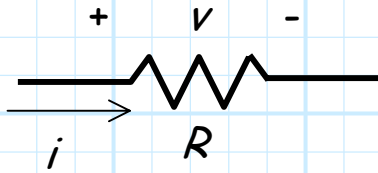
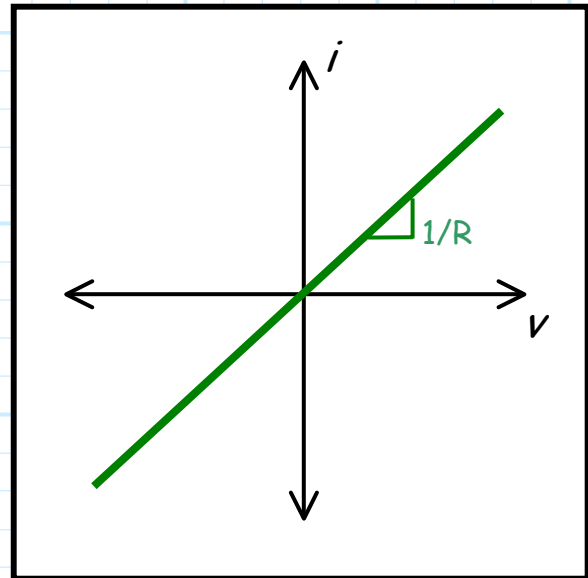


# Linear Device Behavior

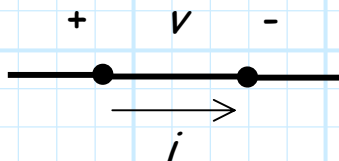
1) Recall the circuit behavior of a **resistor**:



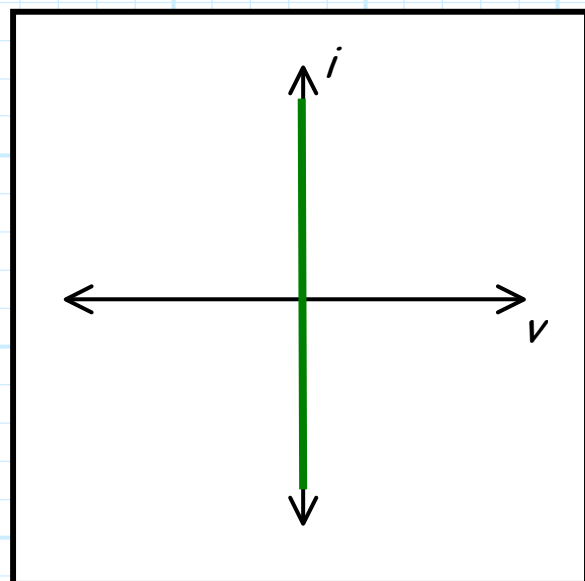
$$i = \frac{V}{R}$$



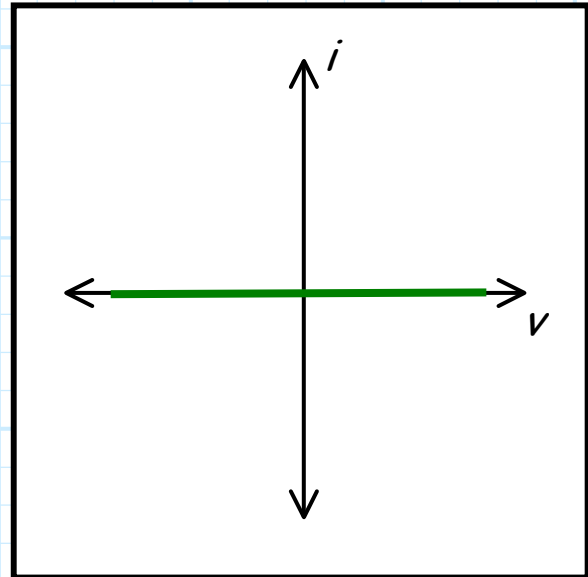
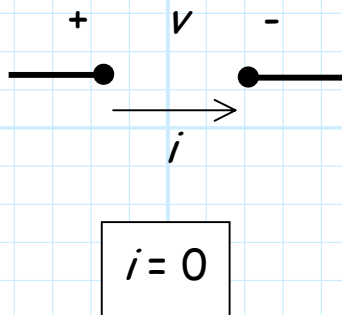
2) If  $R=0$ , then we have a **short circuit**:



$$V = 0$$



3) If  $R = \infty$ , then we have a **open circuit**:



4) We can also plot the behavior of both current and voltage sources:

