

ELEC 1111 - Electric Circuits

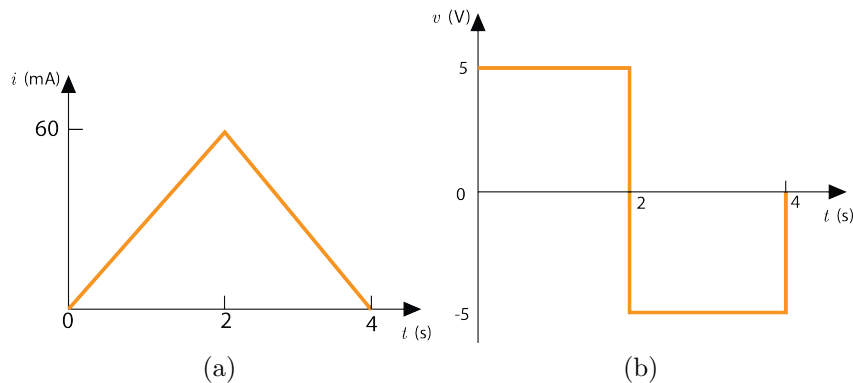
Tutorial 1 - Circuit Basics

Never Stand Still

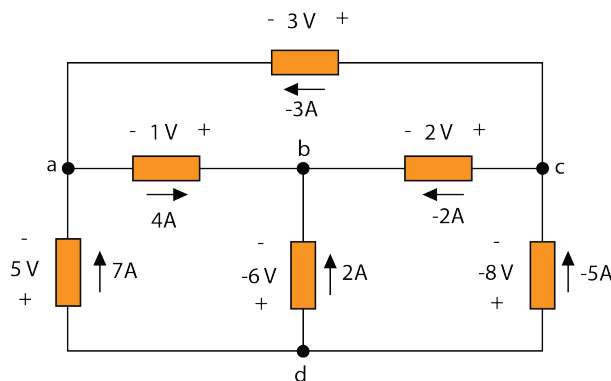
Faculty of Engineering

School of Electrical Engineering and Telecommunications

- The following figure shows the current ($i(t)$) through and the voltage ($v(t)$) across a device.



- Sketch the power $p(t)$ delivered to the device for $t > 0$.
 - Find the total energy E absorbed by the device for the period $0 < t < 4$ sec.
- Consider the circuit of the following figure. Based on the provided voltages and currents



- Identify which devices absorb power and which ones generate power.
 - Calculate the power generated or absorbed by each device.

3. Calculate the power absorbed by each of the elements in the following figure.

