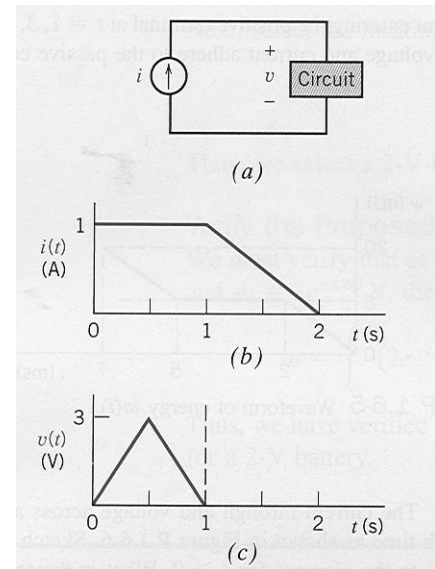


ENGR 204 Spring 2009 Homework 1 Extra problems.

- The figure (a) shown below has a current source whose current varies as shown in figure (b). The resulting voltage across the circuit is shown in (c). Find the power $p(t)$ and the energy $w(t)$ absorbed by the circuit. Also sketch $p(t)$ and $w(t)$, labeling key points.



- Find which components are supplying power and which are dissipating power. Also do a power check to verify $|\text{power supplied}| = \text{power dissipated}$.

