

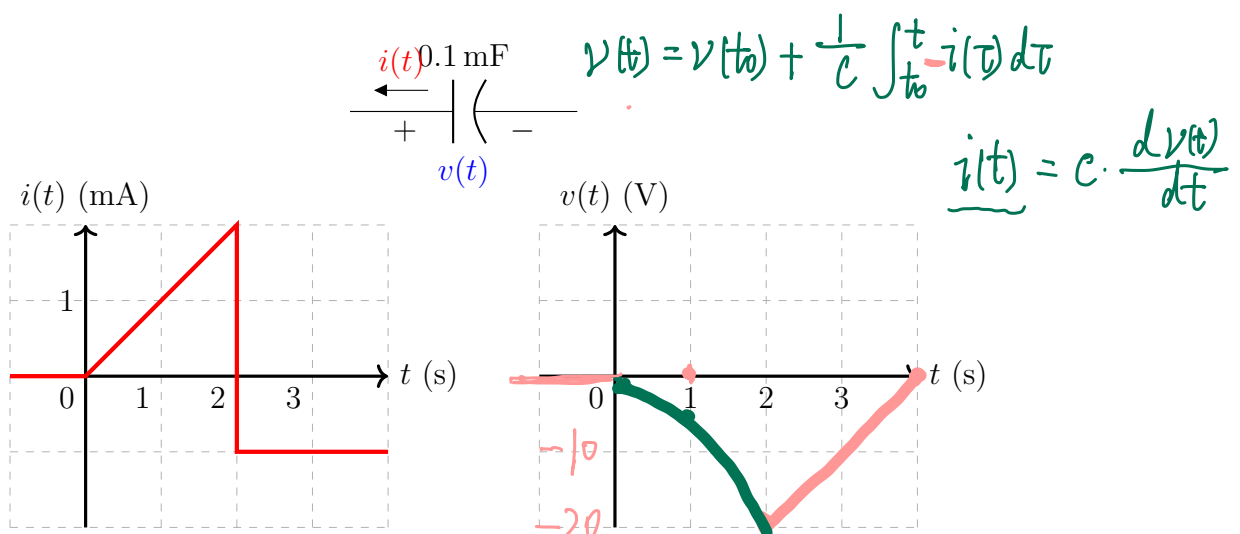
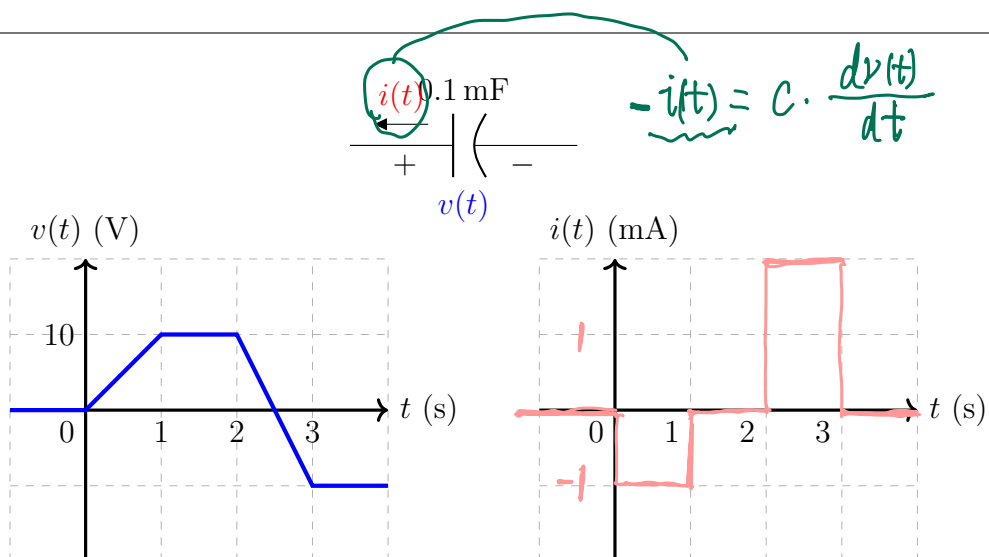
Exercises 06

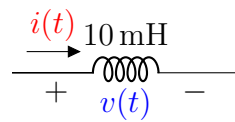
- Capacitors and Inductors

Exercise 1 - Capacitors and inductors

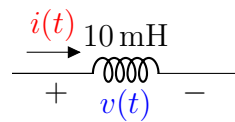
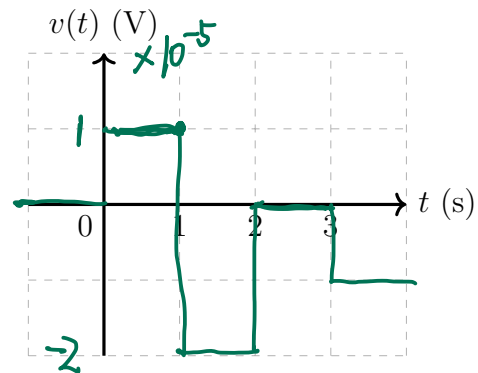
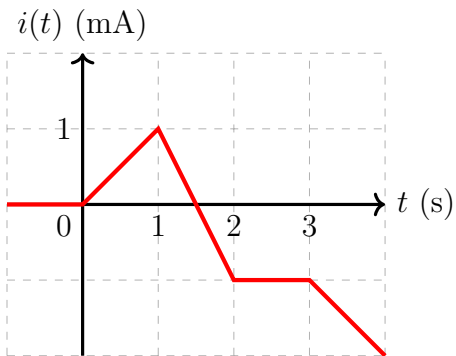
Plot the timing diagrams.

You will assume that the initial voltage or current for $t < 0$ is always zero.





$$v(t) = L \cdot \frac{di(t)}{dt}$$



$$i(t) = i(t_0) + \frac{1}{L} \int_{t_0}^t v(\tau) d\tau$$

