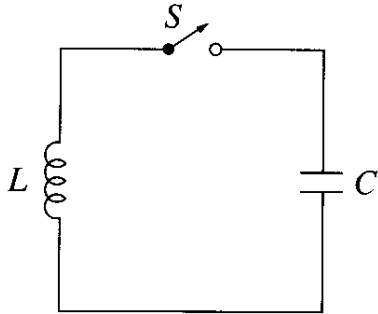P3323 LC circuit
October 31, 2016

A capacitor $C$ is charged up to a voltage $V$ and connected to an inductor $L$. At time $t = 0$, the switch $S$ is closed.



1. Find the current in the circuit as a function of time.

2. A resistor $R$ is included in series with $C$ and $L$. Find the current as a function of time.