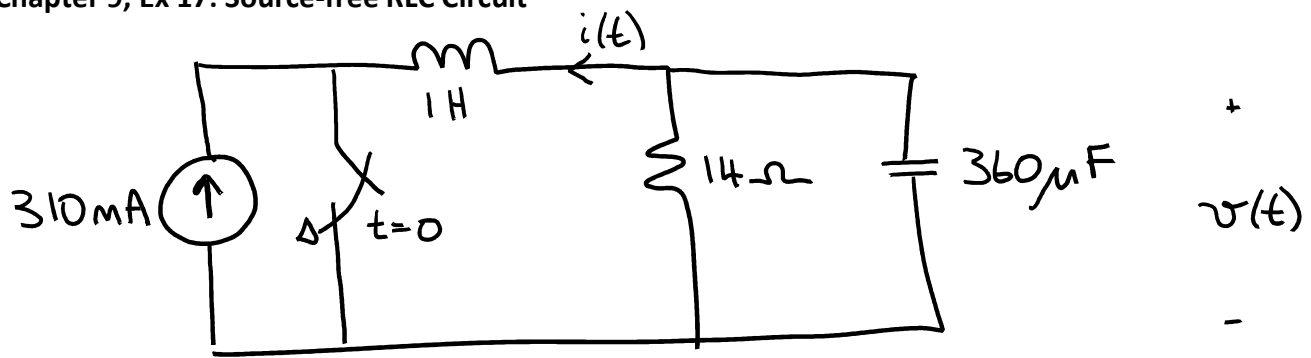


Name:

Student ID:

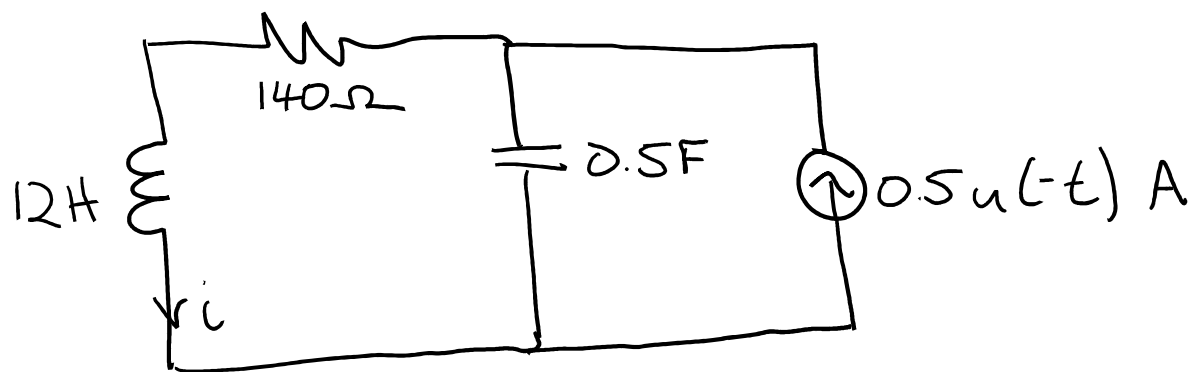
Pre-tutorial 6 Questions (to be attempted before class on May 31st, 2019)

Chapter 9, Ex 17: Source-free RLC Circuit



Obtain expressions for the current $i(t)$ and voltage $v(t)$ as labelled in the circuit above, which are valid for all $t > 0$.

Chapter 9, Ex 46: Source-free RLC Circuit



With reference to the circuit above, calculate a) α ; b) ω_0 ; c) $i(0^+)$; d) $\frac{di}{dt}\big|_{0^+}$

