Chapter 6 Homework:

1. Determine the equivalent capacitance of the circuit below.



1. The capacitor in the circuit to the left below is initially uncharged. A 1A current is applied to the capacitorfor 1msec, as shown to the right below. Sketch the voltage across the capacitor.



1. Determine the equivalent inductance of the circuit below.



1. The voltage across a 1mH inductor is as shown below. Sketch the current through the inductor. Assume that the inductor is relaxed at time *t = 0*.

