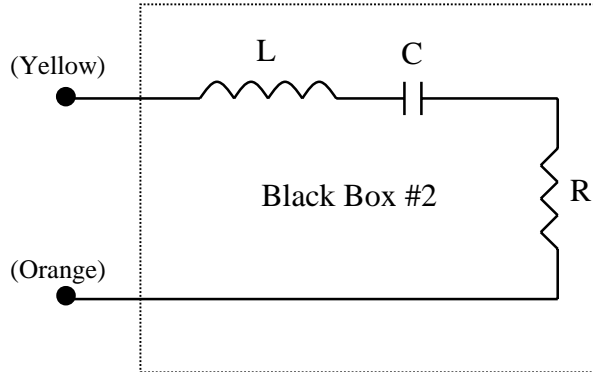**ENSC 220 Lab Test#2**   Name: _____

                                 Name: _____

Black Box Code = _____

Objective: Find **R, L and C** in the circuit below.

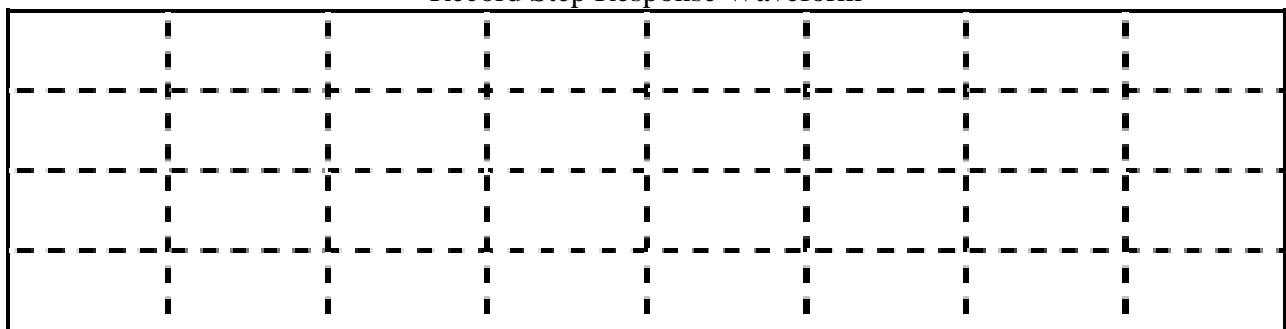**Method:** (use a few hundred-Ohms external resistor for the experiment)
1. Record the code of your black box (above)
2. Apply an input to the circuit
3. Record the resonant frequency, bandwidth, and Q for the entire circuit
4. Calculate R, L and C from your measurements
5. Record the step response for the entire circuit on the graph below.
6. Is the overall circuit underdamped, overdamped, or critically damped?

                                          Answer: _____

f_0	BW	Q
Hz	Hz	

R	L	C
Ω	μH	pF

Record Step Response Waveform

Record any and all calculations on the back of this page