QUESTIONS TO HAND IN – EXPERIMENT 9

NAME		
LAB INSTRUCTORLAB DAY/TIME		
1.	1. A 1 mH inductor is connected in a series circuit to resistance of 100 Ω . Find the resonant frequency	• •
2.	2. Find the capacitive reactance X_C in the circuit at the	ne resonant frequency.
3.	3. Find the inductive reactance X_L in the circuit at th	e resonant frequency.
4.	4. What is the impedance Z of the circuit at the reson	nant frequency?
5.	5. Make a sketch of the dependence of the impedance	e Z as a function of frequency f .