Lab: AC Problems 1

Name_____ Per___

Remember that   μf is 1 X 10^{-6} F
and the Formulae are in your Notes!

	Find	When	Answer
1.	X_L	f = 400 Hz L = 20 h	50,000 Ω
2.	X_C	f = 60 Hz C = 20 μF	1.3 X 10^2 Ω
3.	Z	X_L = 50 Ω X_C = 100 Ω R = 500 Ω	502 Ω
4.	I	V = 200 v Z = 800 Ω	0.25 a
5.	$f_{(resonant)}$	L = 20 h C = 40 μF	5.7 Hz