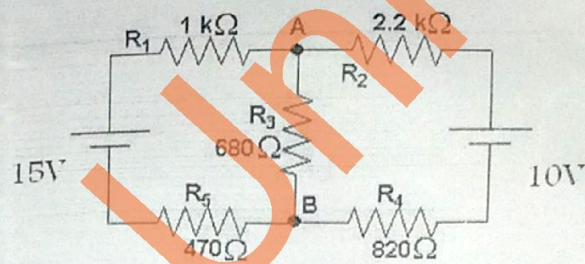University of Jordan
Faculty of Engineering and Technology
Electrical Engineering Department
Electrical Circuits Lab(EE 219)/ mid term exam

Student Name: _____   student # _____.

1) It's required to measure the current through R_3 using Thevnin theorem show all your work in steps (5marks).

2. Connect a series RLC circuit, with the following values:

R=820Ω   L= 100mH   C = 0.1µF

Draw your connection (showing the connections for Ammeter to measure the source current , Voltmeter to measure the source voltage(2marks).

3. (DON'T use the oscilloscope to determine the resonance frequency) Set the power supply to 1 V_{RMS} , calibrate all devices as you need (be ready to take the first reading), then raise your hand so your circuit will be checked by the instructor. (8marks)

Then fill the following table (8 marks) :

f(Hz)	$| I |$ rms	$| V_R |$ peak rms	V_C rms
1000			
$F_r=$			