EE10	Midterm Exam	Winter 2017
Name:		
UID:		
Discussion:		

Total of 3 questions, 90 minutes.

Only a calculator, a pencil, a ruler and an eraser allowed

P1	
P2	
P3	
Total	

1. (30 points) Find the equivalent inductance of the circuit below.



- 2. (30 points) In the circuit below,
 - a. Find the current *i* by finding the Thevenin equivalent at a a' and b b' nodes.
 - b. Calculate the power dissipated in the middle 2Ω resistor.



3. (40 points) In the following circuit, switch SW1 closes at t = 0, and switch SW2 closes when v(t) reaches 2V. Calculate and plot v(t).

