Raymond Gallagher
Engineering 210
Quiz #10
Post-Mortem

Class,

Quiz #10 is done and finalized. All papers have been graded and returned to the Glennan labs. Please check blackboard for errors and contact me if there are any.

Solutions for quiz #10 are up on the website.

The average for quiz #10 is 16.74.

Analysis:
Problem 1:
There isn't too much to say on this one---everything came pretty much straight from your Supplemental Information sheet. Look there, identify the circuit as an Inverting Integrator, and get the formula (see the solutions) for the output. Since there is no initial voltage on the cap, you don't need to worry about a constant. From there, it's all math. The solutions show it all.

Problem 2:
The most common difficulty on this problem (and the quiz, for that matter) was failing to note that the second graph is in *MILLI*Amps. So it's oscillating between +/-0.01A. If you missed that, you wound up being off by an engineering prefix for both the numerical value of the cap, and the energy stored in it.

We didn't take any points off for it this time, but do be sure you're using correct units. The units for Energy (abbreviated W) are Joules (abbreviated J). Don't confuse this with Power (abbreviated P), which has units of Watts (abbreviated W).