Due in class Friday October 2.

To make life easier on the graders:
- Be sure your NAME and ECE MAILBOX NUMBER are prominently displayed on the upper right of what you hand in.
- When appropriate, indicate answers with a box or underline
- Work as neatly as possible
- Be sure answers have UNITS (Amps, Volts, etc.) associated with numerical values

Note that, since you have a test and a big lab report (3+4) due this week, the size of the problem set has been reduced to a compassionate six problems.

Textbook problems are from Hambley (Sixth Edition)

1. P6.42 (p. 338) [Transfer function, dB practice]
2. P6.39 (p. 338) [Transfer function, dB practice]
3. P6.43 (p. 338) [Transfer function, dB practice]
4. P6.56 (p. 339) [Bode plot practice]
5. [Bandwidth – risetime relationship]
   For the circuit of the previous problem, determine the 10%-to-90% risetime at the output if a step is applied to the input.
6. P6.65 (p. 340) [Highpass practice]
   Hint: find the transfer function, then use superposition to find the output due to the separate components of the input signal (DC part + 1kHz part).