

EE 341 - Homework 12**Due November 16, 2005**

For problems which require MATLAB, please include a MATLAB m-file which shows how you made your plots.

1. Problem 8.14 (a) (b) (e) (g). Plot $y(t)$ for (e) and (g).
2. Problem 8.16 (a) (c) (d). Show that the output for (d) is the sum of the outputs for (a) and (b). Explain why.
3. Problem 8.25.
4. Problem 8.28.
5. Problem 8.31 (a) (b).
6. Problem 9.1. You may use MATLAB to find the poles of the signals.
7. Problem 9.16.
8. Problem 9.21.
9. Problem 9.35 (a) (c) (d) (e). You only need to sketch the magnitude response by hand.