GEORGIA INSTITUTE OF TECHNOLOGY
School of Electrical and Computer Engineering

EE3230
Problem Set No. 1

Date Assigned: January 9, 1998
Date Due: January 16, 1998

Reading Assignment: In Oppenheim and Willsky, read pp. 7-56 and pp. 90-116.

Homework Assignment: In all problems, write some explanation of your approach to the solution, i.e., give more than the answer. Turn in for grading only the starred problems: 1.1*, 1.2*, 1.4*, and 1.5*.

Review Problems:
Take a look at Problems 1.1, 1.2, and 1.52 in Oppenheim and Willsky.

Problem 1.1*:
Work Problem 1.21 (a), (b), (c), (e), and (f) in Oppenheim and Willsky.

Problem 1.2*:
Work Problem 1.27 (a), (c), (f), and (g) in Oppenheim and Willsky.

Problem 1.3:
Work Problems 2..8 and 2.11 in Oppenheim and Willsky.

Problem 1.4*:
Work Problem 2.22 (a) in Oppenheim and Willsky.

Problem 1.5*:
Work Problem 2.29(a) , (b), and (c) in Oppenheim and Willsky.

Problem 1.6:
Work Problem 2.44(d) in Oppenhem and Willsky.
Hint: Draw a sketch for some "typical" signal $x(t)$.