UNIVERSITY OF TEXAS AT DALLAS
Telecommunications Engineering

TE3302 Signals & Systems
Problem Set #7: Properties of Convolution and LTI systems

Date assigned: October 18, 2000
Date due: October 25, 2000

Homework is due at the beginning of class. Late homework will not be accepted.

Reading: Signals & Systems, Sections 2.5 and 3.0

You may use any computer program to help you solve these problems, check answers, etc.

**Problem 7.1** Properties of Linear Time Invariant Systems
   Problem 2.43 (b) in Signals & Systems.

**Problem 7.2** Properties of Convolution
   Problem 2.41 (a) and (b) in Signals & Systems.

**Problem 7.3** Integrals
   Problem 2.20 in Signals & Systems.