

**ECE 3075A - Fall 2003**  
**Problem Set #10**

Assigned: October-29-2003  
Due Date: November-5-2003

**General Note:**

- Homework is due at class time on the “Due Date”; no late homework will be accepted.
- Make a **COVER PAGE** for your homework, including your name, GT number, the problem set number, due date and the date you actually turn it in.

**Reading:** In *Probabilistic Methods of Signal and System Analysis*, Chapter 6, Sections 1-4.

**PROBLEM 10.1:**

*Probabilistic Methods of Signal and System Analysis*, Chapter 5, Problem 5-5.3

**PROBLEM 10.2:**

*Probabilistic Methods of Signal and System Analysis*, Chapter 5, Problem 5-6.1

**PROBLEM 10.3:**

*Probabilistic Methods of Signal and System Analysis*, Chapter 6, Problem 6-1.1

**PROBLEM 10.4:**

*Probabilistic Methods of Signal and System Analysis*, Chapter 6, Problem 6-2.1

**PROBLEM 10.5:**

*Probabilistic Methods of Signal and System Analysis*, Chapter 6, Problem 6-3.2

**PROBLEM 10.6:**

*Probabilistic Methods of Signal and System Analysis*, Chapter 6, Problem 6-3.3