

**ECE 3075A - Summer 2003**  
**Problem Set #6**

Assigned: June-23-2003  
Due Date: June-30-2003

**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, pp.209-226.

**PROBLEM 6.1:**

*Probabilistic Methods of Signal and System Analysis*, Chapter 5, Problem 5-2.2.

**PROBLEM 6.2:**

*Probabilistic Methods of Signal and System Analysis*, Chapter 5, Problem 5-4.2.

**PROBLEM 6.3:**

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

**PROBLEM 6.4:**

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

**PROBLEM 6.5:**

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

**PROBLEM 6.6:**

*Probabilistic Methods of Signal and System Analysis*, Chapter 6. Problem 6-2.2.