

**ECE 3075A - Summer 2003**  
**Problem Set #2**

Assigned: May-19-2003

Due Date: May-28-2003

**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 2, pp. 52-97.

**PROBLEM 2.1:**

*Probabilistic Methods of Signal and System Analysis*, Chapter 2, Problem 2-2.1

**PROBLEM 2.2:**

*Probabilistic Methods of Signal and System Analysis*, Chapter 2, Problem 2-2.4. Change  $\cos bx$  to  $\sin bx$ .

**PROBLEM 2.3:**

*Probabilistic Methods of Signal and System Analysis*, Chapter 2, Problem 2-3.3

**PROBLEM 2.4:**

*Probabilistic Methods of Signal and System Analysis*, Chapter 2, Problem 2-4.2

**PROBLEM 2.5:**

*Probabilistic Methods of Signal and System Analysis*, Chapter 2, Problem 2-4.5

**PROBLEM 2.6:**

*Probabilistic Methods of Signal and System Analysis*, Chapter 2, Problem 2-5.3