

**ECE 4270 - Summer 2004
Homework Assignment #6**

Assigned: June-16-2004
Due Date: June-23-2004

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 and GT number. You can find a sample cover sheet in the website for class resources. Staple your homework together; the TA will not be responsible for missing pages.
- Solutions will be available on the course web site after each corresponding due date.

Reading: In *Discrete-Time Signal Processing*, Chapter 5, pp. 240-279.

Graded Problems:

PROBLEM 6.1:

Discrete-Time Signal Processing, 2nd Edition, Chap. 5, Prob.5.21, page 319.

PROBLEM 6.2:

Discrete-Time Signal Processing, 2nd Edition, Chap. 5, Prob.5.26, page 320.

PROBLEM 6.3:

Discrete-Time Signal Processing, 2nd Edition, Chap. 5, Prob.5.28, page 321.

PROBLEM 6.4:

Discrete-Time Signal Processing, 2nd Edition, Chap. 5, Prob.5.29, page 321.

PROBLEM 6.5:

Discrete-Time Signal Processing, 2nd Edition, Chap. 5, Prob.5.30, page 321-2.