

**ECE 4270 - Summer 2004
Homework Assignment #9**

Assigned: July-15-2004
Due Date: July-21-2004

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 9, pp. 629-661.

Graded Problems:

PROBLEM 9.1:

Discrete-Time Signal Processing, 2nd Edition, Chap. 8, Prob.8.27, page 608-9.

PROBLEM 9.2:

Discrete-Time Signal Processing, 2nd Edition, Chap. 8, Prob.8.28, page 609.

PROBLEM 9.3:

Discrete-Time Signal Processing, 2nd Edition, Chap. 8, Prob.8.32, page 610-1.

PROBLEM 9.4:

Discrete-Time Signal Processing, 2nd Edition, Chap. 8, Prob.8.33, page 611-2.

PROBLEM 9.5:

Discrete-Time Signal Processing, 2nd Edition, Chap. 8, Prob.8.36, page 613.

PROBLEM 9.6:

Discrete-Time Signal Processing, 2nd Edition, Chap. 9, Prob.9.21, page 675.

PROBLEM 9.7:

Discrete-Time Signal Processing, 2nd Edition, Chap. 9, Prob.9.30, page 678-9.

PROBLEM 9.8:

Discrete-Time Signal Processing, 2nd Edition, Chap. 9, Prob.9.34, page 681.