

GEORGIA INSTITUTE OF TECHNOLOGY  
School of Electrical and Computer Engineering

**ECE 4270**  
Fundamentals of Digital Signal Processing

Assigned: Tuesday, Nov. 10, 2009

Due: Tuesday, Nov. 17, 2009

**Problem Set #10**

---

**Reading:** Read the following sections from Oppenheim and Schafer:

Chapter 6, Sections 6.7.4–6.7.5, pp. 384–391.

Chapter 6, Sections 6.8.4, pp. 410–412.

Chapter 7, Sections 7.1, pp. 439–458.

---

**Problem 10.1:** Work Oppenheim and Schafer Problem 6.42 on page 436.

**Problem 10.2:** Work Oppenheim and Schafer Problem 6.44 on page 437.

**Problem 10.3:** Work Oppenheim and Schafer Problem 7.7 on page 513.

**Problem 10.4:** Work Oppenheim and Schafer Problem 7.23b (i.e., part (b) only ) on page 517.

**Problem 10.5:** Work Oppenheim and Schafer Problem 7.28 on page 518.