

GEORGIA INSTITUTE OF TECHNOLOGY  
School of Electrical and Computer Engineering

**ECE 4270**  
Fundamentals of Digital Signal Processing

Assigned: Friday, Nov. 20, 2009

Due: Thursday, Dec. 3, 2009

**Problem Set #12**

---

---

**Problem 12.1:** Work Oppenheim and Schafer Problem 8.29 on page 609.

**Problem 12.2:** Work Oppenheim and Schafer Problem 8.30 on page 609.

**Problem 12.3:** Work Oppenheim and Schafer Problem 8.36 on page 613.

**Problem 12.4:** Work Oppenheim and Schafer Problem 8.43 on page 616.

**Problem 12.5:** Work Oppenheim and Schafer Problem 9.23 on page 675.

**Optional–Problem 12.6:** Work Oppenheim and Schafer Problem 8.33 on page 611.

**Optional–Problem 12.7:** Work Oppenheim and Schafer Problem 9.22 on page 675.