

GEORGIA INSTITUTE OF TECHNOLOGY  
School of Electrical and Computer Engineering

**ECE 4270**  
Fundamentals of Digital Signal Processing

Assigned: Thursday, Sept. 17, 2009  
Due: Thursday, Sept. 24, 2009

**Problem Set #5**

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**Reading:** Read the following sections from Oppenheim and Schafer:  
Chapter 3.

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**Problem 5.1:** Work Oppenheim and Schafer Problem 3.31 on page 133.

**Problem 5.2:** Work Oppenheim and Schafer Problem 3.32 on page 133.

**Problem 5.3:** Work Oppenheim and Schafer Problem 3.40 on page 135.

**Problem 5.4:** Work Oppenheim and Schafer Problem 3.44 on page 136.

**Problem 5.5:** Work Oppenheim and Schafer Problem 3.46 on page 136.