

ECE 535 Digital Signal Processing

**Problem Set 1**

Spring 2003

**Issued:** Tuesday, January 21, 2003

**Due:** Tuesday, January 28, 2003

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Reading in *Oppenheim and Schafer with Buck*

1/21/03 — Chapter 1

1/28/03 — Sections 2.0-2.9

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**Problem 2.29** in *Oppenheim/Schafer/Buck*

**Problem 2.30** in *Oppenheim/Schafer/Buck*

**Problem 2.35** in *Oppenheim/Schafer/Buck*

**Matlab Exercises**

Do exercises a through e in Section 1.2 of Computer Explorations in Signals and Systems by *Buck, Daniel, and Singer*. Your solution to these exercises should be your Matlab code, plots, and any written work or comments.

Note: If you are unfamiliar with Matlab or need to refresh your memory about how to use this software, you may want to work through the tutorial in Section 1.1 of the *Buck/Daniel/Singer* book.