The purposes of the problem sets and homework are three-fold:
1. to give you practice in some of the computational aspects of systems,
2. to cover some new material that will not be covered in lecture, and
3. to familiarize you with the vast amount of information resources available on the Internet.

Some of the assigned problems will be exercises from the textbook, some will be programming projects, and some will be open-ended investigations.

Homework is due on the date indicated by 5 PM, and should be submitted to the TA\(^1\) outside of Bossone 502.

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**Problem Set 4**

**Due: Monday February 6, 2006**

**Previous Assignment:** Be sure to study Chapters 1 and 2 in Nise. Review Appendix F (on the cd) to make sure you are up to speed on matrices.
Read Chapter 3; Study carefully the Summary on page 162 and go over the review questions on page 163.
Use the review questions to guide your reading and practice.

**DO:** Chapter 2: 13 and 14 (Use Matlab); Chapter 3: Page 164 Problem 3; Page 166 Problem 9; Problem 10; Page 167 Problem 14 a. & b.

**New Assignment:** Chapter 3, Problems 17 and 19. For Problem 19, check the reference given, (Cavallo, 1992) and add to your homework assignment some indication that you looked through this paper.

*Note that the midterm examination will be on February 8 at 9AM*

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