Introduction
The purpose of written assignments is to have you think about some of the topics covered in
lecture and in readings from the text that may not be represented in the programming lab
assignments. These assignments also prepare you for what exam problems might be like. You
should note that there are many practice problems in the text whose solutions are conveniently
located at the end of each chapter. Use these solutions as a guide for what we expect you to turn
in for this assignment.

Logistics
Since this is not a programming lab assignment, you’ll be turning in physical paper. We prefer
that you type up your solutions (neatly and well-commented) so that the TA grading the
assignment finds it easy to read, although neatly hand-written solutions are acceptable. Diagrams
may be included as free-hand drawings, if necessary.

Grading and Solutions
The relative weight of the written assignments will be determined at the end of the quarter as we
assess the time commitment required by each. For now, each assignment will be 10 points. All
four written assignment take together, and relatively weighted, will account for 25% of your
grade.
Due to the large number of students in the class, we will most likely not be grading every
problem. We will only grade a subset. The 10 points for those problems will be scaled by the
fraction of solutions turned in. For example, if we were to grade only the 2nd problem below, you
could obtain a score of 10 for the correct solution. However, if this were to be the only solution
turned in (no solutions for the other problems), then that 10 would be multiplied by 1/5 yielding a
score of 2.0. To achieve the maximum score, all 3 solutions would be turned in to yield 10*(5/5) = 10.
We will provide extended solutions to all the problems – these will be handed out in class some
time after the written assignment is due. That will provide some time for the TAs to identify
common issues and address them explicitly if needed.

Problems
• Problem 3.64
• Problem 6.27
• Problem 6.30
• Problem 6.35
• Problem 6.42