Monday, April 26, is the review day for the Final Exam. We will be going over this assignment in class as part of the review. Therefore submissions for this assignment are due at the beginning of class.

Answer the following written exercises from the textbook. Note that the questions come from all the chapters dealing with trees (Chapters 10, 14) and QuickSort (Chapter 15). When a question says "implement" just write the implementations on paper. You do not need to type the code into the computer (unless you want to, of course).

1. (3 points) Exercise 28(a) on page 579. Hint: you know what the inorder sequence is for a BST.
2. (3 points) Exercise 22(b) on pages 851-852. Note: use the heapify algorithm.
3. (4 points) Exercise 24 on page 852.
4. (4 points) Exercise 16 on page 930.
5. (3 points) Repeat the previous exercise on the vector shown in Exercise 22(b) on page 852. That is, show how QuickSort would sort the vector.