1. Exercise 10.3-1. You must prove your answer for the 7-element case, but you can argue it informally in the 3-element case (since a rigorous proof is a bit difficult).

2. Problem 10-1.

3. Exercise 9.1-3. Hint: Consider the height of the decision tree, and use the same argument as the proof of theorem 9.1.

4. In a binary search tree, an inorder tree walk can print the nodes in sorted order taking $\Theta(n)$ time. Argue informally that the heap property is not strong enough to print the nodes in sorted order in $\Theta(n)$ time.
