Section Solutions #5

Problem 1:

a) The height of the tree is 4 (just one node would be height 1). Ross is at depth 2, and the descendants of Morganstern are Hathaway, Ross, and Weaver.

b)			
	pre-order	in-order	post-order
	Greene	Benton	Benton
	Carter	Carter	Carter
	Benton	Greene	Hathaway
	Morganstern	Hathaway	Weaver
	Hathaway	Morganstern	Ross
	Ross	Ross	Morganstern
	Weaver	Weaver	Greene

- c) 'Del Amico' would be the right child of Carter.
- **d)** Greene was the first node inserted (since it's the root).
- e) It's unlikely.

Problem 2: Binary Trees