CS 210 Assignment 1

- Provide a BNF grammar for each of the languages below. Please do not use EBNF. Please be explicit.
 - a. The set of all strings containing one or more 'a's followed by a single 'b' ___5

b. The set of all strings starting with a lower case letter, followed by any number of upper and lower cases letters, digits or _ followed by .cpp or .txt. For example: ____

myFile 1.cpp n1DaylWill.txt * Answer on seperate attached sheet *

c. The set of all strings consisting of the keyword begin followed by zero or more statements with a semicolon after each one, followed by the keyword end. Use the nonterminal <statement>, but do not provide productions for it. _____5

Prove each of the following grammars is ambiguous by providing two parse trees for the same string.

a. <exp> ::= <exp> + <exp> | a | b | c

