Automata Formal Languages & Logic

Homework – Context Free Grammar

1. Given the grammar G:
   E-> E+T|T
   T->T*F|F
   F->(E)|a
   Given the parse tree and derivation for each string.
   a. a
   b. a+a+a
   c. ((a))

2. Given a CFG that generates the language L=$\{a^i b^j c^k \mid i=j \text{ or } j=k \text{ where } i,j,k>=0\}$.
   Is your grammar ambiguous? why or why not?

3.
4.