CSI 350 — Theory of Computation, Fall 2005

Quiz #5 - October 10, 2005

Name & Honor Code:	
Solve the following questions given $\Sigma = \{a,b\}$ and the grammar G:	
$G \to HH$ $H \to a b \epsilon$	
1. Name two strings derived by G.	

- E, a, b, aa, ab, ba, bb
- Name two strings that are not derived by G.
- 3. Show the parse tree for the string abba.

 It does not exist because abba & G

 Describe the language of G using laymens terms. Then, describe it formally using formal notation.