

CIS 6930: Foundations of Software Security
Spring 2008
Assignment 3

First define a static semantics for the simply typed lambda calculus with types *bool* and $\tau_1 \rightarrow \tau_2$. Then state and prove the following lemmas based on your static semantics.

- Inversion
- Context weakening
- Substitution

Complete the assignment by yourself. At the end of your work, write the following: “I pledge my Honor that I have not cheated on this assignment.” Sign your name after your pledge.