

CIS 6930: Foundations of Software Security
Spring 2008
Assignment 4

State and prove the following type-safety properties of the simply typed lambda calculus with types *bool* and $\tau_1 \rightarrow \tau_2$.

- Preservation theorem
- Canonical forms lemma
- Progress theorem

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