

## Assignment #7

### Mathematical Systems

pg. 111 (consider the hints at the back of the book)

- 2.
- 3.
- 5.

### **Bonus Question:**

How can intersection of sets ( $x \cap y$  is the set whose members are members of both  $x$  and  $y$ ) and the complement of a set ( $\neg x$  is the set whose members are not members of  $x$ ) be defined in the formal system ZF?