EXERCISES OF WEEK FIVE

Exercise 1. Suppose that the Subset Axiom holds. Then

$$\bigcap A$$

is a set for every class A such that $A \neq \emptyset$.

Exercise 2. Suppose that **A3** holds. Then

$$\bigcup \mathscr{U} = \mathscr{U}$$

where $\mathscr{U}$ is the Universal Class.

Exercise 3. In model given below

$\in$	A	B	C	D
A	0	1	1	1
B	1	0	1	1
C	0	0	0	1
D	0	0	0	0

1. what are the order pairs?
2. does $\mathscr{U} \times \mathscr{U}$ exist?
3. what are the graphs?
4. is there a function $f : A \to A$?

Date: 2013, October 2.