Topics for Quiz 1

1. Intuitive Set Theory
   - Relations between sets: equality and inclusion $=, \subseteq$
   - The membership relation: $x \in A$
   - Operations on sets: intersection, union, set-difference, complement $\cap, \cup, -, ~$
   - Verification of properties of set operations with the help of diagrams
   - Cardinality of sets
   - Representations of sets
   - The correspondence between laws of set theory and logical laws

2. Boolean Expressions: textbook paragraphs 2.1, 2.3 (without duality)

Make sure to review HW 1 problems before the quiz (from number 6 only 2.1, 2.2).