

# Theory of Computation

## Homework 4

Due: 2015/12/08

**Problem 1.** Find all the primitive roots of 5 and all the primitive roots of 7.

**Problem 2.** We know that 3-SAT is NP-complete. Show that for  $n > 3$ ,  $n$ -SAT is also NP-complete. (You don't need to show that is in NP.)