Assignment 1

Theorem Proving with Equality

1. Express the following sentences as the formulae of the first order logic and normalize them:
   - Every researcher writes at least one paper.
   - Every researcher from one group reads at least one paper of another researcher from the same group.
   - There exists researcher who writes papers.

2. Prove Fact 1: A set of clauses $S$ is satisfiable in FOLE iff $S$ is satisfiable in FOL.