CSCC24 Execise 6

- 1. Translate each of the following into first order logic.
- a. $\forall x(student(x) \rightarrow (walks(x) \lor drives(x) \lor rides(x)))$
- b. $\forall x(student(x) \land lives-at(x, y) \land lives-at(Andrew, y))$
- c. (greater($\exists x(distance(\exists y(lives-at(Andrew, y)), \exists z(Andrew, z), x)), (\exists w(distance(High Park, St. George, w)))) <math>\rightarrow (\forall x(Andrew, y), \exists z(Andrew, z), x))$
 - d. $\exists x \forall y, z((permits(x, z, y) \land owns(x, y)) \rightarrow (uses(x, y)))$
 - e. $\exists x, y(owns(x, TTCmaps) \land permits(x, y, TTCmaps))$