Worksheet 5: Quantifiers, part 1

Let us make some notation: let S be the set of all students in the class, and for every student $s \in S$, denote by $F(s)$ the set of all friends of s. For a person p, let $a(p)$ be the age of p.

1. Using this notation, write in symbols the statement: "There exists a student in the class all of *whose* friends are older than him/her".

2. Make similar notation and then write symbolically the statement "There exists a tree in Stanley park *such that* all the neighbouring trees are at least as tall as this tree."

3. Is this statement about Stanley park true or false?