Built-in procedures and syntax that you may use (and that I am allowed to use in the questions) without defining them for **paper part** of exam 1.

Procedures:

Arithmetic: +, - , *, /, modulo, max, min, =, <, ≤, >, ≥

Predicates and logic: not, eq?, equal?, null?, zero?, positive?, negative?, pair?, list?, even?, odd?, number?, symbol?, integer?, member, procedure?, list?, pair?, vector?

Lists: cons, list, append, length, reverse, ~~reverse!~~, set-car!, set-cdr! , ~~list-recur, snlist-recur, (not in Fall term)~~

car, cdr, cadr, cddr, etc.

Functional: map, apply, andmap, ormap

Other: vector, vector-set!, vector-ref

Homework: You may use any procedure that was assigned for A01-A08 without writing down the code for it. I will feel free to refer to procedures from the homework, but if I do so, I will remind you of what they are.

Syntax:

lambda, including (lambda x …) and (lambda (x y . z) …)

define, if, cond, and, or, let, let*, letrec, named let, begin, set!,

(no mutation is allowed in code that you write unless a problem specifically says that you can).