HW3

Homework 3

Due: 11:59pm, Friday, Sep 24, 2020

100 points

- **All problems in this Homework are hand evaluations** following the rules in the PDF document entitled Evaluating Functional Racket Programs which has been uploaded to both Piazza and the course wiki (Confluence) as the file `LawsOfEval.pdf`.
- **Carefully follow the Sample Solution to a Hand Evaluation Problem** in the Racket HW Guide. In addition. the Homework Support file HW03.txt contains a sample Problem 0
  and its solution. By using ellipsis (`...`) for expressions appearing in the preceding snapshot that are unchanged by the reduction step, you can reduce the amount of text you have
  to write. In most problems, a snapshot with ellipsis will fit on a single line. If you use a text editor, a typical snapshot looks very much like the preceding one. Check out the sample
  hand evaluation. Hand-evaluations consisting of 10-20 steps can be created very quickly.
- Check in your solution to your SVN repository under the name HW03.txt) the file svn.rice.edu/r/comp311/courses/HW02.rkt from the Rice SVN repository and use as a stub for writing your solution the problems below.
- The **Intermediate student with lambda** Racket language includes a stepper that performs reduction semantics. You can use it as a reference.

- Do the 4 problems in the file HW03.txt and Problem 5 if you want to earn extra credit.