

91.301, Organization of Programming Languages  
Fall 2006, Prof. Yanco

### **Problem Set 5**

Out: Thursday, 12 October 2006

Due: Tuesday, 24 October 2006

**Overview:** In this problem set, you'll practice with accumulate and symbols.

Use the Textual language in DrScheme. Be sure to submit your homework electronically as well as in hardcopy.

*Problem 1*

Exercise 2.35 on p. 120.

*Problem 2*

Exercise 2.36 on p. 120.

*Problem 3*

Exercise 2.53 on p. 144.

*Problem 4*

Exercise 2.54 on p. 145. (Yes, equal? is built into scheme. In this exercise, you'll write your own version.)

*Problem 5*

Exercise 2.55 on p. 145.

For the next two problems, you can get the symbolic differentiation code on the course web page.

*Problem 6*

Exercise 2.57 on p. 151.

*Problem 7*

Exercise 2.58, a only, on p. 151.