# Homework

**Due Wednesday October 12**

Read carefully section 3.1, 3.2 and 3.3 pages 101–134. These section contain one of the basic ideas of the calculus. This is that it is possible to compute the rate on change of a function by using the microscope equation to define the derivative (which is the same as the rate of change) of a locally linear function. See the boxed information on page 129 of the text.

1. Pages 114–118 Problems 1bc, 2c, 3b, 5, 7, 8ab, 11

2. Pages 129–134 Problems 1, 6, 7, 8ab, 9a, 10abcd.