

Math 1A, Homework 4, due Wed., 02/16/2011

In the coming lectures (02/07–02/14) we shall cover sections 2.5–2.8 of the book. In sections 2.7 and 2.8, we meet *derivatives* for the first time. In these sections, the important thing is to understand the basic idea of the derivative of a function, its formal definition as a certain limit, and the various notations that are used to describe it. Methods for calculating derivatives will come later.

Homework to hand in:

Section 2.6: 4, 7, 22, 32, 34, 57.

Section 2.7: 6, 12, 17, 18, 19, 32, 34, 40, 46.

Section 2.8: 3, 9, 11, 21, 38, 43, 52.