

Math 1A, Homework 4, due Fri., 09/27/2011

In the coming lectures (09/19, 09/24, and 09/26), we shall cover sections 2.7–3.3 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. Sections 3.1–3.3 contain some methods for calculating derivatives.

The first midterm will be held Tues. Oct. 1 in 155 Dwinelle. It will cover everything we've covered in the book, up to and including section 3.3.

Homework to hand in:

Section 2.7: 40, 48.

Section 2.8: 3, 9, 11, 23, 40, 45, 54.

Section 3.1: 11, 19, 20, 35, 47, 54.

Section 3.2: 10, 15, 26, 33, 41, 57.

Section 3.3: 5, 9, 22, 37, 39, 40.