

This homework is for the week of September 6. It is due next Wednesday, September 15. You should read Sections 2.1, 2.2, and 2.3 this week. These sections introduce informal, intuitive definitions of the limit of a function at a point and their application to instantaneous velocity and tangent lines. (Next week, we will look at the formal definition, which the book covers in Section 2.7.)

It's important to do lots of problems, so please don't ignore the practice problems! You don't have to write out detailed solutions for them, but you should certainly look at them.

Remember that you can work with other students on homework problems, but you should write up and turn in your own solutions.

1. Section 2.1, pages 55–56

Recommended for practice: # 7, 9, 15, 23

To be turned in: # 16, 24

2. Section 2.2, pages 61–64

Recommended for practice: # 7, 13, 19, 21, 25, 35, 39

To be turned in: # 18, 24, 40

3. Section 2.3, pages 73–75

Recommended for practice: # 19, 27, 31, 37, 41, 45, 51, 53, 65, 81

To be turned in: # 22, 32, 40, 44, 64, 80