

# Homework Assignments for Calculus I, Spring 2009

Matthew Leingang <leingang@cims.nyu.edu>

2009-05-05

This is a week-by-week calendar of homework assigned in Calculus I.

Dates listed are *Wednesdays*. If you are in a TR section, your assignments are due the day *following* the day listed.

Practice problems are neither collected nor graded, but they do cover material that may be tested. Answers to these and all odd-numbered problems are in the back of the textbook. Each week *four* of the problems listed in the "Graded" column will be chosen *at random* and graded.

Number	Due	Book Section	Practice Problems	Graded Problems
1	1/28	1.1	1, 7, 23, 35, 39, 51	2, 12, 34, 56
		1.2	1, 13, 9, 15, 17, 41	2, 14, 30, 48, 56, 64
2	2/4	1.3	3, 9, 11, 15	2, 4, 6, 22(a)(b)(c)
		1.4	1, 5, 21, 33, 39, 45, 47	2, 8, 14, 30, 42, 48
3	2/11	1.5	3, 7, 33, 45, 47	6, 8, 12, 14, 34, 38
		1.6	1, 5, 15, 19, 23	2, 4, 16, 20
4	2/18	2.1	3, 9, 15, 17, 35	2(a)(b), 36
		2.2	3, 13, 21, 27	2, 6, 10
		2.3	1, 5, 19, 23, 33, 41, 51, 53	6, 22, 24, 34, 38
5	2/25	2.4	1, 5, 17, 35, 41	4, 6, 14, 16, 38, 42, 46(a)(b), 52
6	3/11 <sup>1</sup>	2.5	5, 17, 35, 47, 51, 63, 67	4, 10, 24, 50, 58
		2.6	1, 5, 11, 17, 43	6, 10, 18, 28(b)
		2.8	3, 9, 15, 21, 27	2, 16, 24
7	3/25	3.1	9, 13, 17	8, 16, 28
		3.2	1, 9, 23, 51, 55	6, 10, 24, 44
		3.3	1, 5, 9, 13, 19	4, 14, 44, 50
		3.5	1, 5, 13, 19, 31	2, 16
8	4/1	4.1	1, 3, 15, 23, 48	4, 8, 24, 46
		4.2	3, 5, 11, 17, 31	14, 20
		4.3	1, 7, 11, 17	2, 12, 14, 18
9	4/8	4.4	1, 5, 9, 17, 35	2, 6, 12, 20, 28, 30, 40, 42
10	4/15	4.5	3, 9, 13, 21, 29	2, 6, 8, 16, 20, 22, 28, 40
11	4/22	5.1	1, 7, 15	2, 6, 8, 14
		5.2	7, 29	2, 16, 34, 40, 42, 50

Number	Due	Book Section	Practice Problems	Graded Problems
12	4/29	5.3	1, 7, 29, 41, 55	2, 16, 28, 50, 64
		5.4	1, 3, 9, 19, 23	2, 8, 10, 24, 26
13	5/4 <sup>2</sup>	5.5	3, 11, 41, 57, 61	2, 4, 10, 20, 28, 36, 42, 46, 48, 56

## Grading of Homework

One of the goals of this course is for you to learn how to think and communicate mathematically. This means that your homework problems should be written up with justification and explanations of your steps in English. See the examples in the textbook for examples of how to write up solutions to a problem well.

Some exam problems will also ask for justifications, so this will be good practice.

Each problem will usually be worth 3 points. Multi-part problems will usually have each part graded on the same scale. Graders will grade each three-point part according to the following rubric:

Points	Description of Work
3	Work is completely accurate and essentially perfect. Work is thoroughly developed, neat, and easy to read. Complete sentences are used.
2	Work is good, but incompletely developed, hard to read, unexplained, or jumbled. <i>Answers which are not explained, even if correct, will generally receive 2 points.</i> Work contains "right idea" but is flawed.
1	Work is sketchy. There is some correct work, but most of work is incorrect.
0	Work minimal or non-existent. Solution is completely incorrect.

## Exceptions

Your lowest homework score will be dropped when computing your average for the final grade. This means you can take a "free spin" for any reason you want, be it time to spend on another class, a family emergency, or an unusually packed social calendar. In fairness to the graders and other students, *late homeworks will not be accepted.*

<sup>1</sup> The midterm will be the week of March 2–March 5. No homework will be collected that week.

<sup>2</sup> The final problem set will not be collected or graded. Solutions will be published on the websites, however.