

Math 121 - Suggested Homework

These are suggested problems. You may work more or less depending on your abilities. In addition to the problems listed below, work the *Capstone* problem from each section.

All problems are the odd numbered exercises unless stated otherwise.

Worked out solutions to the odd problems are online at <http://www.calcchat.com>

Sect	#	Suggested Problems
1.1	7	1, 2, 3, 4, 5, 9, 10
1.2	24	3, 7, 11, 15-30 all, 31, 45, 49, 53, 65
1.3	42	5, 9, 13, 17, 21, 25, 27, 31, 35, 37, 41, 43, 49-76 all, 85, 87
1.4	34	1, 3, 5, 7-26 all, 35, 43, 47, 49, 51, 55, 65, 69, 91, 93, 107
1.5	25	13, 17, 21, 25, 27, 31, 37-54 all, 72
2.1	26	1, 13, 17, 21, 23, 33, 39-42 all, 45-52 all, 73, 79, 83-88 all
2.2	23	3-23, 39-53, 59, 61, 63, 65
2.3	31	1-11, 15, 33, 35, 37, 39-53, 63, 67, 75, 93-103, 105-108 all
2.4	21	1, 3, 7, 13, 19, 23, 29, 33, 37, 39, 41, 45, 49, 53, 57, 63, 69, 73, 79, 99, 107
2.5	12	3, 7, 9, 11, 15, 21, 25, 33, 45, 49, 57, 66
2.6	11	1, 11, 13, 17, 21, 23, 25, 29, 33, 41, 48
3.1	14	7-10 all, 11, 15, 21, 27, 33, 55, 57-60 all
3.2	9	13, 19, 23, 31, 41, 45, 69, 73, 75
3.3	18	1, 5, 11, 15, 17, 21, 23, 29, 35, 37, 41, 61-69, 95, 97
3.4	15	9, 13, 21, 27, 35, 43, 47, 61-68 all
3.5	26	13, 15, 19-37 all, 43, 61, 65, 69, 75
3.6	14	5, 11, 15, 23, 31, 37, 41, 45, 49, 61-64 all, 71
3.7	8	17, 21, 27, 31, 39, 49, 55, 57
3.8	6	7, 11, 13, 21, 23, 37
3.9	10	7, 9, 13, 19, 23, 25, 33, 39, 43, 45

- 4.1 19 15-43, 57, 61, 63, 81
- 4.2 14 9, 11, 13, 17, 19, 29, 35, 37, 39, 45, 49, 53, 59, 63
- 4.3 20 5, 15, 17, 21, 23, 27, 31, 33-40 all, 41, 43, 47, 57, 59
- 4.4 17 7, 13, 19, 23, 27, 31, 33, 35, 37, 41, 45, 49, 77, 83, 87, 89, 99
- 4.5 24 11, 15, 21, 25, 31, 35, 49, 53, 57, 61, 65, 67-73, 77, 81, 85, 91, 93, 103, 104, 107, 109
- 4.6 7 13, 19, 25, 29, 31, 39, 53
-
- 5.1 22 11, 15, 19, 23, 25, 29, 33, 35, 47, 49, 51, 55, 61, 65, 69, 71, 73, 75, 83, 85, 101, 103
- 5.2 22 1, 3, 7, 9, 11, 13, 15, 19, 21, 23, 27, 31, 33, 37, 39, 55, 59, 57, 93-96 all
- 5.3 10 27, 29, 41, 45, 71, 77, 79, 85, 91, 93
- 5.4 28 3, 7, 11, 15, 17, 19, 21, 39, 41, 45, 47, 51, 55, 59, 65, 69, 73, 83, 97, 99, 103, 105, 107, 111, 113, 115, 119, 123
-
- 7.1 10 7, 13, 17, 19, 25, 31, 49, 61, 69, 97
- 7.2 8 3, 9, 13, 21, 27, 29, 31, 72
- 7.3 8 3, 9, 17, 25, 29, 49, 51, 60
- 7.4 9 7, 11, 13, 23, 27, 35, 37, 43, 60 (numerically find arclength)
- 7.5 10 13, 5, 9, 15, 17, 21, 25, 27, 31, 39
- 7.6 8 1, 7, 17, 25, 45, 49, 51, 53
- 7.7 8 3, 5, 9, 11, 15, 21, 27, 29