

# Math 221 - Suggested Homework

These are suggested problems. You may work more or less depending on your abilities.

All problems are the odd numbered exercises unless stated otherwise.

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

| <b>Sect</b> | <b>#</b> | <b>Suggested Problems</b>  |
|-------------|----------|--|
| 11.1        | 11       | 37, 41, 53, 57, 63, 73, 75, 79, 89, 91, 93                                       |
| 11.2        | 12       | 27, 31, 41, 55, 59, 65, 69, 75, 87, 99, 109, 113                                 |
| 11.3        | 14       | 5, 9, 13, 17, 21, 29, 31, 35, 45, 49, 69, 71, 75, 81                             |
| 11.4        | 14       | 1-6 all, 9, 13, 23, 29, 35, 39, 45, 50   |
| 11.5        | 20       | 7, 17, 21, 31, 33, 43, 49, 55, 63, 65, 67, 71, 73, 75, 77, 95, 99, 101, 107, 109 |
| 11.6        | 18       | 1-6 all, 19-31, 43, 45, 49, 53, 65   |
| 11.7        | 16       | 21, 23, 25, 51, 53, 55, 99, 101, 103, 105, 115-120 all                           |
| 12.1        | 24       | 1, 3, 9, 13, 17, 21-24 all, 29, 37, 41, 43, 45, 49-55, 57, 59, 63, 69, 73, 89    |
| 12.2        | 19       | 1, 5, 7, 13, 19, 21, 23, 25, 29, 35, 39, 43, 45, 53, 56, 58, 65, 67, 71          |
| 12.3        | 11       | 3, 7, 9, 13, 17, 19, 25, 29, 32, 39, 54  |
| 12.4        | 15       | 5, 15, 21, 23, 27, 29, 37, 41, 51, 53, 55, 61, 63, 73, 77                        |
| 12.5        | 11       | 3, 9, 11, 21, 25, 29, 37, 43, 47, 63, 69   |
| 13.1        | 18       | 9, 15, 23, 25, 29, 35, 37, 41, 43, 45-48 all, 51, 53, 55, 69, 71                 |
| 13.2        | 17       | 11, 15, 19, 23, 27, 29, 33, 35, 43, 49, 53, 57, 59, 62, 65, 77, 85               |
| 13.3        | 17       | 11, 15, 23, 27, 33, 37, 39, 47, 51, 61, 66, 69, 73, 79, 81, 83, 87               |
| 13.4        | 6        | 1, 5, 13, 17, 19, 33   |
| 13.5        | 14       | 5, 9, 13, 17, 19, 25, 27, 28, 33, 37, 39, 43, 45, 57                             |
| 13.6        | 15       | 1, 5, 10, 13, 17, 21, 23, 27, 33, 35, 37, 51, 53, 55, 69                         |
| 13.7        | 20       | 1-4 all, 7, 12, 13, 17, 23, 25, 27, 33, 37, 41, 45, 47, 49, 53, 57, 59           |
| 13.8        | 18       | 1, 3, 7, 11, 14, 21, 25, 28, 31-34 all, 37, 39, 43, 47, 49, 54                   |
| 13.10       | 11       | 5, 7, 9, 13, 15, 17, 21, 23, 29, 45, 51  |

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| 14.1 | 18 | 3, 7, 11, 15, 19, 23, 27, 29, 33, 37, 41, 45, 47, 51, 57, 59, 67, 71 |
| 14.2 | 11 | 7, 11, 13, 15, 19, 21, 23, 27, 37, 43, 45                            |
| 14.3 | 18 | 5-8 all, 11, 15, 17, 19, 25, 27, 31, 37, 41, 45, 47, 49, 51, 53      |
| 14.4 | 10 | 11, 15, 17, 21, 27, 29, 35, 39, 43, 53                               |
| 14.5 | 9  | 3, 7, 9, 13, 15, 17, 29, 33, 39                                      |
| 14.6 | 12 | 7, 11, 15, 19, 25, 29, 31, 37, 41, 51, 57, 61                        |
| 14.7 | 9  | 3, 5, 9, 11, 13, 19, 21, 23, 33                                      |
| 14.8 | 11 | 3, 5, 7, 9, 11, 17, 19, 23, 25, 35, 37                               |
|      |    |  |
| 15.1 | 9  | 39, 41, 45, 49, 51, 57, 61, 63, 65                                   |
| 15.2 | 12 | 1, 5, 9, 13, 17, 23, 25, 27, 31, 53, 59, 65                          |
| 15.3 | 8  | 5, 9, 15, 19, 23, 27, 31, 35   |
| 15.4 | 7  | 3, 7, 13, 19, 21, 25, 35   |
| 15.5 | 19 | 1-6 all, 7, 9, 11, 13, 15, 21, 23, 25, 27, 29, 37, 39, 43            |
| 15.6 | 11 | 3, 7, 11, 15, 17, 19, 23, 25, 29, 35, 37                             |
| 15.7 | 6  | 3, 7, 11, 13, 17, 19   |
| 15.8 | 5  | 7, 9, 11, 15, 19   |