

Math 112 Winter, 2012
Problem Sets and Quizzes
January 4 – April 4



Instructions:

Each week you should attempt all of the problems in the Problem Set for that week. In addition, a set of Quiz Practice Problems will be posted on the course web page. The problems for each quiz will be selected from the circled problems in the Problem Set and the Quiz Practice Problems for that week, or earlier weeks. There will not be a quiz on Problem Set 10, but the material covered in this Problem Set will be on the Final Examination.

Problem Set 1

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|------------|---|
| Appendix A | – (9), 11, 17, 19, (23), 25, (27), 33, (35), 39, 45, (51), 55, 57, 59, (63) |
| Appendix B | – (11), 13, 23, (25), (29), (33), 35, 39, 41, (53), 55, 59, 61 |
| 1.1 | – 3, 7, 9, 19, 25, (29), 35, (45), 49, 53, (55), (59), 63, 67, (71), 73 |
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Problem Set 2

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|-----|---|
| 1.2 | – 3, 5, (7), (9), 13, (15), 17 |
| 1.3 | – 1, (3), 7, 13, 17, 19, (27), 35, 39, 43, 47, (51), (61), 65 |
| 1.4 | – 7, (11), 17, 19, 21, (27), (31), 33, 35 |
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Problem Set 3

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| 1.5 | – 9, (15), (17), 19, (21), (23), (27), 29 |
| 1.6 | – 5, 7, (11), 13, 15, (17), 23, (25), (29), 35, 37, 47, (53), (57), (61), (67), (71), 75 |
| Appendix D | – 27, 29, (31), 35, 37, (47), 53, 57, (59), 63, 65, (69), 73 |
| Chapt 1 Rev Ex | – 1, (3), 7, 19, (23), 25 |
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Problem Set 4

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|----------------|---|
| 2.2 | – 5, (7), 9, 13, (17), 19, (25), (29), (33), 47 |
| 2.3 | – 1, 7, (9), 13, (15), 17, (19), 21, (27), 33, 37, 39, (47), 49, 61, (63) |
| 2.5 | – 3, 5, 7, (11), 17, 25, (31), 33, 37, 39, (43), (45), (47), 51, (55) |
| 2.6 | – 3, (7), 17, (23), 27, 29, 35, (45), (49), 55, 61, 63 |
| Chapt 2 Rev Ex | – 1, (5), 9, 13, (19), 25, (29), 33 |
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Problem Set 5

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|----------------|---|
| 2.7 | – 3, (7), 11, 15, (17), 21, 25, 29, (35), 41, 47, (49), (51) |
| 2.8 | – 1, 5, (9), 11, 17, 23, (25), 27, 31, 35, (39), 41, (43), 47, 55, (59) |
| 3.1 | – 9, (13), 17, 19, 23, 25, (29), 31, 33, (35), 39, 47, (51), 59, (63), 69, 71, (73), (77) |
| Chapt 2 Rev Ex | – (39), 41, (43), 45, 49 |
| Chapt 3 Rev Ex | – 3, (9), 67, (69), (73), (79), 85, (107) |

Problem Set 6

- 3.2 - 3, 5, 11, (15), 19, 21, (23), (29), (31), 37, 43, 45, (49), 53, (57), 61
- 3.3 - 5, 11, (13), (23), 25, (29), (31), 33, 35, (37), 39, (45)
- 3.4 - 3, 9, (11), 15, 17, (23), (25), 29, 33, 39, (41), 43, (47), 53, (59), (63), (65), 69, (71), (75)
- Chapt 3 Rev Ex - 1, (5), (7), 11, 13, 17, 19, (23), 37, 39, (49), (57), 63, (67), 71, (73), (85)

Problem Set 7

- 3.5 - 3, 7, (11), 15, 17, 21, (23), 25, 29, (37), (43), 45, (49), 51, 61, (75)
- 3.6 - 3, (5), 9, (13), 15, (19), 21, (23), 25, 31, (33), 39, (45), (51)
- 3.7 - 3, (9), 11, 13, (17), 19, (21), (29), 33, (35)
- Chapt 3 Rev Ex - 25, 29, (31), (53), 83, 91

Problem Set 8

- 3.9 - 5, 7, (9), 13, (19), (21), 23, (25), 27, 29, (33), (39), 41, (45)
- 3.10 - (3), 5, (9), 11, (15), 21, (25), 27, 33, (35), 37, 39, (43)
- 4.1 - (9), 11, 17, 19, 25, 31, 35, (39), 41, (43), (49), 51, 55, (57), 59, 63, 67, 69
- Chapt 3 Rev Ex - 97, 99, (101), 103, (105)
- Chapt 4 Rev Ex - 1, (3), (5)

Problem Set 9

- 4.2 - (3), 7, 11, (15), 17, 19, (23), 25, 27, (33), 35
- 4.3 - (5), (7), 9, (11), 13, (15), 17, (19), 21, (25), 27, (31), 33, 35, 37, 39,
41, (43), 45, 47, 49, (51), 53, 61, (63), 67
- 4.5 - 3, 7, 9, 17, 19, 25, 31, 37, 43, 51
- Chapt 4 Rev Ex - (15), 23, (29), (33), (45), (47)

Problem Set 10

- 4.4 - 5, 9, 17, 19, 25, 29, 33, 35, 49, 53, 55, 61, 63
- 4.7 - 3, 7, 9, 13, 23, 27, 29, 33, 37, 39, 43, 49, 53, 61, 69, 71
- Chapt 4 Rev Ex - 7, 9, 13, 57, 59, 79