

MATH 382 Real Analysis (Course Content)

"Elements of Real Analysis"

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Chapter	Sections
Chapter 2:	2.3, 2.4
Chapter 3:	3.1, 3.2, 3.3, 3.4, 3.5, 3.7
Chapter 5:	5.1, 5.2, 5.3, 5.4
Chapter 6:	6.1, 6.2, 6.3, 6.4, 6.5
Chapter 7:	7.1, 7.2, 7.3, 7.4

Section	Exercises
2.3	1(c), 2, 4(a, d, f), 5, 6, 7, 11, 13, 14
2.4	1, 2, 3, 4, 5, 6, 8, 10
3.1	1(b, c, d), 2(c, d), 3, 4, 5, 6, 7, 8, 9
3.2	1, 2, 3, 4, 5, 6, 7, 8, 11, 12, 14, 15
3.3	1(b, c), 2, 5, 6
3.4	1, 2, 3, 4, 5, 6, 7, 8, 9
3.5	1, 2, 3, 4
3.7	2, 3, 4, 5, 7(a, b), 8, 9, 12(b, c, f, i), 13
5.1	1, 2, 3, 4, 5, 6, 7, 9
5.2	1, 2, 3, 4(a, c, d, e), 5, 6, 9, 10, 11
5.3	2(a), 3, 4, 5(a, b, c, d, e), 8, 9
5.4	3, 4, 6
6.1	2(c, d), 4, 5, 6, 7, 8, 11, 12, 13, 14. 18(optional)
6.2	1(c), 2, 3, 4, 5, 7. 8(optional)
6.3	1, 2, 3, 4, 5, 6, 7, 9, 10, 12.
6.4	1 – 10.
6.5	1 – 8, 10, 12.
7.1	2, 3, 4, 5, 9.
7.2	1, 2, 4, 5, 7(a, b, c), 8, 9, 10, 11, 14, 16.
7.3	1, 2, 3.
7.4	2, 3, 4, 5.