

MATH 382 Real Analysis (Course Content)

"Elements of Real Analysis" By M. A. Al-Gwaiz and S. A. Elsanousi	
Chapter 2:	2.1, 2.2, 2.3, 2.4
Chapter 3:	3.1, 3.2, 3.3, 3.4, 3.5
Chapter 5:	5.1, 5.2, 5.3, 5.4
Chapter 6:	6.1, 6.2, 6.3
Chapter 7:	7.1, 7.2, 7.3

Section	Exercises
2.1	all
2.2	2, 7, 8
2.3	1(c), 2, 11, 13, 16(i, ii, iv)
2.4	1, 2, 3, 4, 5, 6, 8, 10
3.1	1(b, c, d), 2(c, d), 4, 5, 6, 7(c, e), 8, 9
3.2	1, 2, 3, 4, 5, 6, 8, 11(b, c), 12, 14, 15
3.3	1(b), 2, 5, 6
3.4	1(b, c, d), 2, 3, 4, 5, 8
3.5	1, 2, 3, 4
5.1	1, 2, 3, 4, 5, 6, 9
5.2	1, 2, 3, 4(a, c, d, e), 5, 6, 9, 10
5.3	2(a), 3(a, b), 4(a, c), 5(a, c, d, e), 8, 9
5.4	3, 4, 6
6.1	2(b, c), 4, 5, 6, 7, 8, 9(b), 11, 12(a), 13, 14, 16
6.2	1(c), 3, 4, 7, 9
6.3	1, 2, 8, 12, 13
7.1	1(b), 2, 4(b), 5, 6, 8, 10
7.2	1, 3(c), 4, 7(a), 9, 10(a), 11, 16, 17
7.3	1, 3, 4(a, b), 5(b), 6(b)