

Homework Assignments
835 MATH 387 - 01
Real Analysis
Fall 2007
Dr. Goutziers

Text: Introduction to Real Analysis
Author: William F. Trench
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Office Hours: M 09:00 am W 12:00 pm R 11:00 am F 11:00 am

Assignment		Date
1)	Page 9	2. You do not have to show that the system is a field. Only prove that it is impossible to define an order $<$ on this field that has properties (F), (G), and (H).
2)	Page 9	1b; 5a,b,d,e.
3)	Page 9	4.
Announcement of Quiz 1		Sep 03
Date: Friday, September 7		
Sections: 1.1		
4)	Page 9	7a; 10a (only prove that $\sup(S+T) = \sup S + \sup T$).
5)	Page 15	3; 18.
6)	Page 17	15.
Announcement of Quiz 2		Sep 17
Date: Friday, September 21		
Sections: 1.2 - 1.3		
7)	Page 27	1a; 2; 3; 4b.
8)	Page 27	7a; 8.
9)	Page 28	15; 16; 17.
10)	Page 48	1; 3a,d,e.
11)	Page 48	4a,b,d.
Announcement of Test 1		Sep 30
Date: Friday, October 5		
Sections: 1.1 - 1.3, 2.1		
12)	Page 49	6b,c; 11.
13)	Page 49	7b,c; 8; 15b,f; 22c,d.
14)	Page 69	2; 3c,g; 5; 11.
15)	Page 71	23a,g.
16)	Page 71	20; 21a,c.
17)	Page 71	16.
Announcement of Quiz 3		Oct 14
Date: Friday, October 19		
Sections: 2.2		
18)	Page 71	24.

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19)	Page 85:	3; 5.	Oct 24
20)	Page 86:	10; 11; 20.	Oct 25
Announcement of Test 2			Oct 28
Date:		Friday, November 2	
Sections:		2.2, 2.3	
21)	Page 86:	15.	Oct 29
22)	Page 96:	6; 7; 20; 23; 26.	Nov 01
Announcement of Quiz 4			Nov 05
Date:		Friday, November 9	
Sections:		2.4	
23)	Page 108:	8. (In Part a, Q should be replaced by h)	Nov 08
24)	Page 108:	4.	Nov 09
Announcement of Quiz 5			Nov 09
Date:		Thursday, November 15	
Sections:		2.5	
25)	Page 108:	2; 16b,d;	Nov 12
26)	Page 125:	1; 2.	Nov 26
Announcement of Quiz 6			Nov 26
Date:		Friday, November 30	
Sections:		3.1	
27)	Page 125:	4.	Nov 28
28)	Page 125:	7.	Nov 29
29)	Page 125:	14.	Nov 30
Announcement of Test 3			Dec 03
Date:		Friday, December 7	
Sections:		2.4 - 3.1	
30)	Page 134:	1.	Dec 03
31)	Page 134:	2.	Dec 05
32)	Page 134:	4.	Dec 10
33)	Page 149:	1.	Dec 12