MATH 241: ANALYSIS IN SEVERAL REAL VARIABLES I
HOMEWORK #5

PROBLEMS (FOR ALL)

2.6.1
2.6.2
2.7.1
2.7.3
2.7.A: Let (a_n) be a conditionally convergent sequence. Show that for any real number c there exists a rearrangement (b_n) of (a_n) such that the sequence b_n converges to c. *[Hint: Use Problem 2.7.3, and see the discussion in §2.9]*
2.7.8
2.7.9

PROBLEMS (FOR GRAD STUDENTS)

2.6.6
2.7.12
2.7.14: *[You may assume the results in Problem 2.7.13.]*