

MA 44200, Homework 12, Due Wednesday, April 12, 2017

- (1) Mathematical Analysis II: Page 25, #5(i), 8(i)(iii), 10(i), 12, 13, 14.

Notes: In Problem 8, note the statement “Prove (i) [...] for *vector-valued* g , too” (meaning the range of g is a general complete normed space E). For each problem that mentions both E^n and C^n , prove it only for E^n .

When solving a problem something you can use any

- (1) Definitions
- (2) Axioms
- (3) Theorems, Lemmas, and Corollaries, and
- (4) Problems (whether assigned or not)

that are either in the book or done in class that come **before** the problem you’re working on.