

Math 330 Section 2 - Spring 2017 - Homework 16

Published: Friday, April 14, 2017

Running total: 56 points

Last submission: Friday, April 28, 2017

Status - Reading Assignments:

Here is the status of the reading assignments you were asked to complete by this date.

B/G (Beck/Geoghegan) Textbook:

- all of ch.1 - ch.13 (ch.7 carefully until before thm.7.17, ch.11 until cor.11.23)

MF lecture notes:

- ch.1 - ch.2, ch.4 - ch.9 (skip the proof of prop.7.3)
- MF ch.10 through ch.10.3, example 10.13 (Alternating series)
- ch.16 (addenda to B/G text)

Other material:

- B/K lecture notes ch.1 – section 1, ch.4.1, ch.4.2
(optional reading – good for examples, improved understanding)
- Stewart Calculus: “The Precise Definition of a Limit” (ch.1.7 in the 7th edition).

New reading assignments:

Reading assignment 1 - due Friday, April 21:

- a. Read carefully B/G Appendix A: Continuity and Uniform Continuity. **Advice:** Work thoroughly through prop. A.5 and A.6 and example A.7 of ch.A.3 (Uniform Continuity) to understand the difference between continuity and uniform continuity.

Written assignment 1:

Do exercise 10.3 in MF doc version 2017-04-17, p.220 (this was 10.4 in MF doc version 2017-04-13, same page!!): Prove that the first quadrant in the plane without the coordinate axes is open.