MAT 319/320: Basics of Analysis, Spring 2019
Homework Assignment 3

Please read Sections 9-11 of Ross's textbook thoroughly.

Optional supplemental reading for MAT 320: Rudin's book, pp51–55

Problem Set 3 (**due before the start of lecture on Thursday, 2/21**):
9.6, 9.12, 9.15, 10.1, 10.2, 10.7, 10.8, 10.10, 11.1, 11.2*
*This problem (11.2) is *answer only* which needs to be in the following form:

	(a)	(b)	(c)	(d)	(e)
a_n					
b_n					
c_n					
d_n					

For (d), state which of the 3 possibilities applies. For (e), write either *bounded* or *unbounded*. You may either fill in this table and hand in this sheet as part of your solutions or recopy this table. *No* credit will be awarded for answers in any other format.

Please write your solutions legibly; the graders will disregard solutions that they do not find readily readable (you are encouraged to type up your solutions, especially if your handwriting is not absolutely immaculate). The problems on your solutions must appear in the assigned order; out-of-order problems will not be graded. All solutions must be stapled (no paper clips) and have your name (first name first) and HW number in the upper-right corner of the first page.

NO late homework will be accepted