

Section 8.2: Sequences

MATH 131: Calculus II, Section 2

Name (Print): _____

Due: Wednesday, November 7, 2018 at the beginning of class

After reading Section 8.2 (pages 607-615 in the text), respond to the following questions **on this handout**. Be sure to staple your pages together before turning it in if they are not double sided. **You must answer all parts to all questions to earn full credit!!! Also, use FULL SENTENCES to answer questions that require words.** See the salmon homework guidelines handout for details.

Response Section

1. State Theorem 8.1 that compares the limits of sequences and functions.

2. State Theorem 8.2 that lists the limit laws for sequences.

3. State definitions of the terminology for sequences.

4. (a) State Theorem 8.3 about geometric sequences.

(b) Do Exercise 46 in Section 8.2 on page 616 of our text.

5. State Theorem 8.4 about the Squeeze Theorem for Sequences.

6. State Theorem 8.5 about a guarantee for convergence of a sequence.

7. Do Exercise 4 in Section 8.2 on page 616 of our text. Explain why your example works.

Questions/Overview Section

8. Write down any **questions** you have on the reading. Be as specific as possible! See the salmon homework guidelines handout for details.

Reflection Section

9. Write **two or three** sentences reflecting on the process of your work so far in the course. See the salmon homework guidelines handout for details.

Time Section

10. How much time did you spend on this reading assignment? _____