

4. (a) Give an example of an alternating series that is divergent.

(b) How do you know that your series is divergent?

5. State the definition of absolute and conditional convergence.

6. (a) Give an example of a series that is absolutely convergent.

(b) Give an example of a series that is conditionally convergent.

7. State Theorem 8.21: Absolute Convergence Implies Convergence.

8. If a series is convergent, is it absolutely convergent? Give an example to support your answer. Remember to explain in full sentences.

Questions/Overview Section

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

Reflection Section

10. 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

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