Homework 11

Ungraded Problems

1. §11.2: Problems 15–34 all. Answer the following questions.
   (a) Is the series geometric?
   (b) If yes, what is $r$, and does the series converge?

   NOTE: In Problems 27, 28, 33 and 34, distribute the “$\sum$”.

2. §11.2: Problems 41-43 all.

3. §11.6: Problems 3, 5, 7, 9, 11, 13, 15, 19, 21, 23, 27. Apply the ratio or root test. If possible, conclude whether or not the series converges.

4. §11.8: Problems 3–27 odd, and 31. Find the open interval on which the series converges.

Graded Problems

1. §11.2: Problems 18, 20 and 22. Determine if the series is geometric. If it is, find $r$.

2. §11.2: Problem 44.

3. §11.6: Problem 14. Apply the ratio or root test. If possible, conclude whether or not the series converges.

4. §11.8: Problem 14. Determine the open interval on which the series converges.

5. §11.8: Problem 26. Determine the open interval on which the series converges.