

Math 129 section 01 Summer 2013 quiz July 22 Name: _____

Name: _____

Open Homework portion

1. Write the the definite integral you obtained for 8.2# 38.
2. Write your definte integral and final answer for 8.4#15 b
3. Rotate the bell-shaped curve $y = e^{-x^2/2}$ around the y -axis forming a hill shaped solid. By slicing horizontally, find the volume of the hill. Reading Quiz:
4. What does it mean for a sequence to converge?

5. Give an example of a bounded sequence that does not converge.
6. What is a geometric series?
7. What is the sum of the series $e + e/\pi + e/\pi^2 + \dots$
8. Why does the formula for sum of infinite geometric series not work for numbers where $|x| > 1$