

MATH 330 — Spring 2011
ASSIGNMENT 10

Due March 30, 2011

In Chapter 8 of *Journey Through Genius* we have seen three complete proofs that the harmonic series diverges.

- 10.1 Outline each of these three proofs. These outlines can be in bulleted form or paragraph form, with or without diagrams. Your outlines should capture the fundamental ingredients, ideas, and methods of the proof.
- 10.2 Which of these proofs do you like the most? Which makes the most sense to you? Be detailed in your response.