

CS100 B Fall 1999
Professor David I. Schwartz
Makeup Programming Assignment
Due: Friday December 3, 1999, 4 PM

1. Notes

1.1 Who should do this assignment?

- anyone who registered late and missed programming assignments 1 and 2

1.2 Can I do it anyway? Can I use this to make up for another assignment?

- yes, but we won't grade or substitute it for any other assignment

1.3 Can I have a partner?

- no.

2. Assignment

Solve the problem

$$\int_0^{\pi/4} \sqrt{\tan x} dx$$

using the trapezoidal and simpsons rule of integration. Consider checking your results with Matlab or Maple to ensure your answer is reasonable.

3. What to Hand In

Read Section 4 (Programs) of the *CS100 General Information* packet for explanations of requirements. For this assignment, staple the following sheets together:

- Cover sheet with your name, student ID(s), Section day&time, Section instructor, the title MAKEUP PROGRAMMING ASSIGNMENT, and the subtitle CS100B.
- The program(s) you used to solve the given problem. You must provide all listings. Feel free to use any style and technique in Java. Report no more than 4 decimal places in your answer. Refer to **Format.java**.
- The output for your program(s).
- Commentary on the accuracy of both answers.
- Refer to previous assignments for rules of academic integrity.
- Submit your work to Dr. Schwartz on, or before, the date shown above.