

Maple Assignment II

Due date: April 1, 2002

Guidelines

You should view the Maple worksheet as a report of your work. Thus, you should include explanatory remarks in addition to the Maple commands. At the very beginning of the worksheet, give your name, the course number and the assignment number.

Exercise 14.1, Question 62.

Exercise 14.4, Question 8.

Exercise 14.7, Questions 20.

Exercise 15.3, Question 20,39.

Exercise 15.4, Question 13,17.

Some useful Maple commands:

- 1) Use the command *"with(plots):"* and *"with(student):"* first.
- 2) To plot contour curves, use the command *"contourplot"*.
- 3) To integrate two variable functions use the command *"Doubleint"* and *"evalf"*. You have to first compute the region to figure out the limits by hand or Maple.
- 4) To integrate three variable functions use the command *"Tripleint"* and *"evalf"*. You have to first compute the region to figure out the limits by hand or Maple.

Visit the class website for more Maple help.