

Math 275 – Fall 2012

Homework 11

Due: December 12, 2012, in your discussion section

PLEASE READ THE INSTRUCTIONS/SUGGESTIONS WRITTEN IN THE SYLLABUS!

Problems:

- *5.5, Page 208:* 5, 12, 14, 20 (hint: for b) and c) you will need the chain rule), 22 b) c), 28
- *5.8, Page 216:* 3, 6, 8
Note: you should be able to do any of the problems from 1-20
- *5.10, Page 220:* 1, 8, 14

BONUS: Compute the integral $\int_0^{\pi/2} \sin^n x dx$ for a general positive integer n .

DISCLAIMER: It is easy to find the solutions to (some of) these questions. (E.g. the internet, your fellow classmates ...) However, do NOT consult any of these solutions when working on this assignment or you will learn nothing from it and your chance of passing the course will be greatly diminished. If it becomes apparent to the grader that your solution is copied from existing solutions, you will be assigned a grade of zero for lack of originality.