

**Math 425 / AMCS 525
Assignment 8**

**Dr. DeTurck
Due Tuesday, March 29, 2016**

Topics for this week — Poisson's formula for the disk and consequences; wave equation in higher dimensions; Kirchoff's formula; rectangles and cubes.

Seventh Homework Assignment - due Tuesday, April 12

Reading: Read sections 6.4, 7.1, 9.1, 9.2 and 10.1 of the text

Be prepared to discuss the following problems in class:

- Page 175 problems 1, 6
- Page 182 problem 3
- Page 233 problems 2, 3
- Page 240 problems 3,5
- Page 263 problems 1, 5

Write up solutions of the following to hand in:

- Page 175 problems 4, 5, 11
- Page 182 problem 5
- Page 233 problems 1, 5
- Page 240 problems 4, 6
- Page 263 problems 2, 3