

HOMWORK ASSIGNMENT 8, Math 241, Section 002

Name:

Recommended due date:

Tuesday April 21, 8pm (Philadelphia time).

Deadline:

Tuesday April 28, 8pm (Philadelphia time).

This homework corresponds to Sections 7.9 and 7.10 of R. Haberman's book. The problems marked as optional are not mandatory but recommended for practice.

1. (Optional) Exercise 7.7.7
2. (Optional) Exercise 7.7.10
3. Exercise 7.9.2.c). Remember the relation of Laplace and Heat equations.
4. Exercise 7.9.3.c)
5. Exercise 7.10.1.e)
6. (Optional) Exercise 7.10.12
7. Fall 2013 make-up final exam, Question 6 <https://www.math.upenn.edu/ugrad/calc/m241/exams/241fall13mkupfinal.pdf>
(<https://www.math.upenn.edu/undergraduate/calculus-homepages/calculus/mathematics-241>)
8. Read Sections 7.9, 7.10, 8.2, and 8.3 of Richard Haberman's book.