

Homework 6A

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MATH 241-910 :Calculus IV

June 7, 2017

Problem 0. Reading: section 7.4-7.6 in Haberman. *Optional reading:* Gram-Schmidt method (appendix of sec. 7.5)

Problem 1. Haberman 7.4.1

Problem 2. Haberman 7.4.2

Problem 3. (*Green's formula in 3D*) Haberman 7.5.11

Optional exercise: Below are exercise proposed in class and some additional problems. These are for your own benefit and may be helpful for your understanding of the material. It is not required to turn them in. It is suggested that you at least read those problems.

Problem A. Haberman 7.5.7

Problem B. Haberman 7.5.8

Problem C. Haberman 7.5.9

Due: June 12, 2017, in class