

Homework Assignment 6 (~~due Tuesday 03/27/2012 after spring break~~ ~~due Tuesday 03/20/2012~~)

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NOTE: there will be another assignment given on Thursday 03/15/2012 due on ~~03/27/2012 after spring break~~ ~~Thursday 03/22/2012~~. So there will be an overlap.

1. Do exercise on page 4 of Lecture Notes 5(a)

One might ask if one needs to assume UNIFORM continuity about the partial derivative of 'g'. Can you do without this stronger assumption, or does it follow from the plain continuity assumption?

2. Do exercise on page 7 of Lecture Notes 5(b) [SEE HINT there]

This pertains to Theorem 2 on page 6 of the same set of notes. There is a "typo" in the notes there:

In the 5th line from the bottom subscript 'm' should be subscript 'n'

In the 4th line from the bottom in the subscripts 'n' should be used for 'm' and vice versa.

The remaining lines after that are fine.