

# Homework 1

Mathematics Tutorial II (Calculus Part)

**Due date:** April 23, 2015.

**General guideline:**

- To receive full credit, you need to show your work. It does not suffice to write down the final answer. You need to explain your solving process and why your answer is correct.
- Write down your solutions in order.
- Please note that not all problems might be graded.
- Answers to odd number problems are in the back of the book.

**Problems:** <sup>1</sup>

Chapter 1, Section 1: 16, 24, 26

Chapter 1, Section 2: 14, 16, 22, 30, 37, 38

Chapter 1, Section 3: 8, 10

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<sup>1</sup>from *Vector Calculus* by Susan J. Colley, 3rd edition, Prentice Hall, 2011, 576 pp., ISBN: 9780321818751