

## Homework #1

**Name:** \_\_\_\_\_

**StudentID:** \_\_\_\_\_

**Major:** \_\_\_\_\_

Justify your solutions and show all your steps. Write down formulae used. The problems are taken from the text book, Section 9.1.

- Numbers 1 and 4.
- Number 7 and 10.
- Number 13.
- Number 17, 25, 29.
- Number 40.
- Number 46.