

**Homework #4****Name:** \_\_\_\_\_**StudentID:** \_\_\_\_\_**Major:** \_\_\_\_\_

Justify your solutions and show all your steps. Write down formulae used. The first two problems are taken from the text book, Section 9.7, the next two from section 9.8, and the last two from Section 9.9.

- 9.7 Numbers 27-30.
- 9.7 Number 34.
- 9.8 Numbers 19,22.
- 9.8 Number 27.
- 9.9 Number 3.
- 9.9 Number 18.