

Spring, 2008

**MATH 4250/6250**  
**PROBLEM SET #9**

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DUE April 24, 2008.

**Instructions:** Turn in (at least) *four* problems of your choice, but **including any underlined problem(s)**. Graduate students should include at least one “pyramid” problem.

Those of you who are familiar with differential forms are welcome to read Section 3.3 and do the exercises indicated below in italics.

*Problems to work but not hand in: #3.2.1a, 3.2.2, 3.3.4.*



#3.2.1b, 3.2.3, 3.2.6, *3.3.3* and *3.3.5* and *3.3.8*.



#3.2.4, 3.2.5, 3.2.8, 3.2.9, 3.2.10, 3.2.12.



#3.2.14, 3.2.15, 3.2.16, *3.3.11*, *3.3.12*.