

MA3825 Rings & Fields  
W. J. Martin  
October 30, 2009

## Algebra Assignment 1

DUE DATE: Friday, November 6, 2009, by 4:30pm in my office mail slot.

Please carefully read the presentation rules below. The problem statements begin below the rules at the bottom of the page.

### BASIC RULES FOR MA3825 ASSIGNMENTS

- I) Each student must compose his/her assignments independently. However, rough work may be done in groups;
- II) Write legibly and use only one side of each sheet of paper; **Any paper submitted which is sloppy or uses two sides of a page will be returned immediately with no credit.**
- III) Show your work. Explain your answers using FULL SENTENCES;
- IV) No late assignments will be accepted for credit.

Please complete the following eight proofs from the text.

1. Ex. 8 on p243.
2. Ex. 14 on p243.
3. Ex. 18 on p243.
4. Ex. 30 on p244.
5. Ex. 32 on p244.
6. Ex. 36 on p244.
7. Ex. 42 on p244.
8. Ex. 44 on p244.