$\begin{array}{c} {\rm MA310} \\ {\rm Homework} \ \#3 \\ {\rm Due \ Tuesday, \ February \ 13} \end{array}$

The solutions to the following problems should be typed, using proper English (and mathematics!), and clear enough for someone who is not in this class, and has not had the benefit of the classroom discussion, to follow.

- 1. Problem 11 of Section 3.
- 2. Problem 1 of Section 4.
- 3. Problem 2c of Section 4.
- $4.\ \,$ Translate the complete message of Section 5.