Math 291
Week 9 Lab

Instructions: Use LaTeX to typeset a document containing each component described below. Turn in your lab by emailing it to jamesju@mnstate.edu or by uploading it to the appropriate assignment folder on the course D2L page. You should email both your raw TeX (.tex) file and your compiled document (in .pdf form). Make sure that your name appears somewhere in your file name. You will be graded on both your raw TeX code and the accuracy of your compiled document. Be sure to include and additional peripheral files that are necessary to compile your completed lab. This lab is due by 5:00pm on Friday, March 31st.

1. Use the "report" document class for this lab.

2. Make sure to load the "graphicx" package in the preamble or your document.

3. Add the necessary information to create a title page for your your report, including at least your name and a title (of your own choosing).

4. Add the commands necessary to add a table of contents to your report.

5. Add the commands necessary to add a list of figures to your report.

6. Add the commands necessary to create a bibliography for your report.

7. Your Report **MUST** contain the following content:

   (a) At least two chapters. Each chapter should have at least two sections.

   (b) At least two figures. Each figure should have both a caption and a label.

   (c) At least two theorems.

   (d) At least one enumerated environment.

   (e) Your report must also include the following references using the \ref command (and, of course the corresponding labels):

        i. At least one reference to a chapter.
        ii. At least one reference to a section.
        iii. At least one reference to a figure.
        iv. At least one reference to a theorem.
        v. At least one reference to an item in an enumerated environment.

   (f) You should also submit the .bib file you used to create your bibliography. Your .bib file should contain at least three references. Your report should cite at least three references (but can include additional references that you did not cite).

   (g) Your final report should be correctly compiled to include all features (references, table of contents, list of figures, internal citations).

Note: Other than these restrictions, you may fill in the content of your presentation however you wish.