Calculus B – Lab 5
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> restart;

In this lab, we will learn how to write a report using Maple. This format will be used when taking your Maple exams and can be used to make presentations and the like.

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\textbf{Heading}

To make a heading on a new worksheet, do the following.

Go to the \textbf{Insert} menu and select \textbf{Paragraph}. In the sub-menu, choose \textbf{Before Cursor}. See the picture below.
To properly type the heading, select the B on the toolbar for bold and also center the text by clicking on the appropriate button, indicated in the picture below.

The heading should first contain the title of the report, then the course and section number and finally your name. Notice that the text size can be changed with the picklist, as in a word processor. See the example below.

Don’t forget to type the `restart;` command at the first execution prompt.

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The body of a Maple report can be organized into sections which can, in turn, have subsections.

To insert a section, go the Insert menu and select Section from the menu. See picture.

Subsections are used to further organize the report under main headings. You can see subsection listed on the menu in the picture above.

After inserting the section, the cursor will be next to a large gray arrow pointing downwards. You should type the title of the section here.
The arrow can be clicked on to open and close the section. Everything typed into the section can be hidden. This way, a user can work their way through a report only focusing on topic at a time.

To intersperse commands and text, use the Insert menu and the commands **Execution Group** and **Paragraph**. Inserting an **Execution Group** gives you another red prompt to enter Maple commands after. See the picture.

**Activity**

Write a report concerning the procedure you wrote to implement Newton's Method. Include a graph and commentary about how the calculations are carried out.