

Creating a Report in Maple

1. **Create a new document:** Insert your disk, open Maple, and immediately save your document. In the **file name** box, type `<a:filename.ms>`.

Examples: `<a:lab_1.ms>` , `<a:report.ms>` .

2. **Insert header information:** Press [F5] to toggle between text and input. The purple input prompt will disappear. Type your name and all necessary header information (class, lab number, date). Press [Enter] to begin new lines.
3. **Initialize function libraries:** On a new line, press [F5] to get the input prompt back. Initialize necessary function libraries using the *with()* command.

Example: `> with(student); with(plots); with(numtheory);`

Important note: Use colons/semicolons to end and separate executable statements. Use semicolons wherever you want screen output, colons where you do not.

4. **Add your code:** On a new line, press [F5] to change to text mode. Type a description of the code to follow. Press [Enter], then [F5] and add your code.

Example:

```
We will be attempting to find the area under the
following curve:
> f := x->x^2;
```

5. **Insert plots:** If you want plots in your Maple worksheet, you will need to embed them by the following technique:

- a) Type and execute the proper command.

Example: `> plot(f(x),x=-2..2);`

- b) A plot will appear in a separate window. Select [Edit]→[Copy] from the plot window menu bar to copy the plot to the clipboard.
- c) Place the cursor in the Maple worksheet insertion point for your plot. Select [Edit]→[Paste] from the menu bar.
- d) If you get an error message stating that the plot is too large for Maple to paste, resize the plot window by dragging the lower-right corner of the window. Repeat steps b) and c).

6. **Save and Print:** Press the **Save** button to save, and the **Print** button to print. Exit Maple before removing your disk from the drive.