

# The Maple Lab for Math-141: An Introduction

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*Fall 2008*

This handout is adapted from USC's introductory Maple lab handout, created by Douglas Meade, Ronda Sanders, and Xian Wu.

## **Instructions**

The purpose of this week's lab is for you to become familiar with Maple 12. You will learn how to login to the school computers and you will learn how to access Maple 12 and the Internet. Once this is complete, you will begin to learn about Maple by working through an interactive Maple worksheet.

### **A. Log In and Log Out**

- If your computer screen is blank, press CTRL-ALT-DEL.
- Now you should have a screen that asks for your username and password. This is the same username and password you use for Blackboard, Gamecock Email, etc. If you don't know your username and password, talk to me immediately.
- Once you are logged in, take a look at your Windows desktop. You should see several icons, including ones for Internet Explorer and Maple 12.
- Remember: You should not save your work on the university's computer. You should either bring a floppy disk or flash drive to class, or you should email your work to yourself. Remember to save your work frequently.

### **B. A First Look at Maple**

- If you are not already logged in to the computer, please do so now. (See Part A.)
- Locate and double click the Maple 12 icon on the desktop. It will take a minute to load.
- When Maple 12 starts, a Tip of the Day will be displayed. These tips can be useful, but most of them will not be relevant to you at this point. Close the tip.
- Our task for today is to set up the interface of Maple 12 to our standard.
- You may want to have the Maple window enlarged to fill the full size of the monitor. To do this, click on the middle icon in the upper right corner of the border of the Maple window.

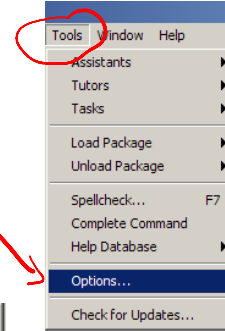
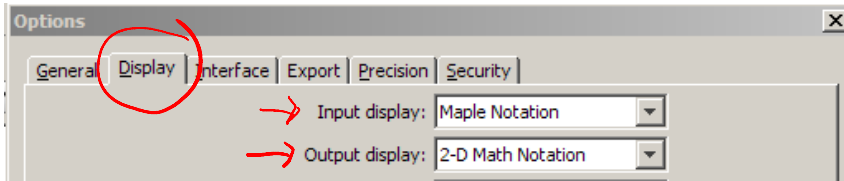
### **C. Maple Preferences**

Our first task is to set up the interface of Maple 12 to our standard. Each user must configure Maple upon initial entry. You must set your preferences as specified below. Otherwise, you will not be able to follow the labs, and the information you receive in the handouts may not work properly. You may need to do this same initial setup every time you use Maple 12. This means

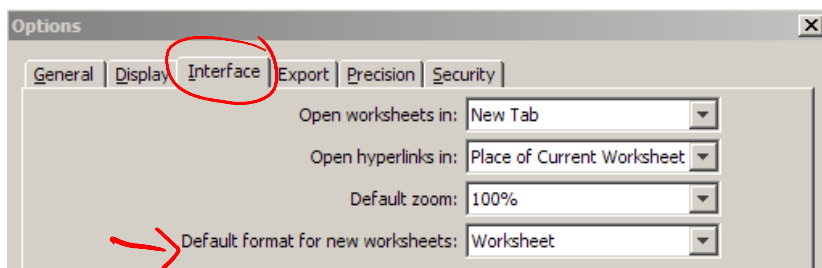
that on lab days you should login to the computer as soon as you get to class, open Maple and do the initial setup.

## Display

- Pull down the Tools menu and choose Options. . .
- Click the Display tab. Change the settings if needed to show:  
Input display: Maple Notation  
Output display: 2-D Math Notation



- Click the Interface tab. Change the settings if needed to show:  
Default format for new worksheets: Worksheet

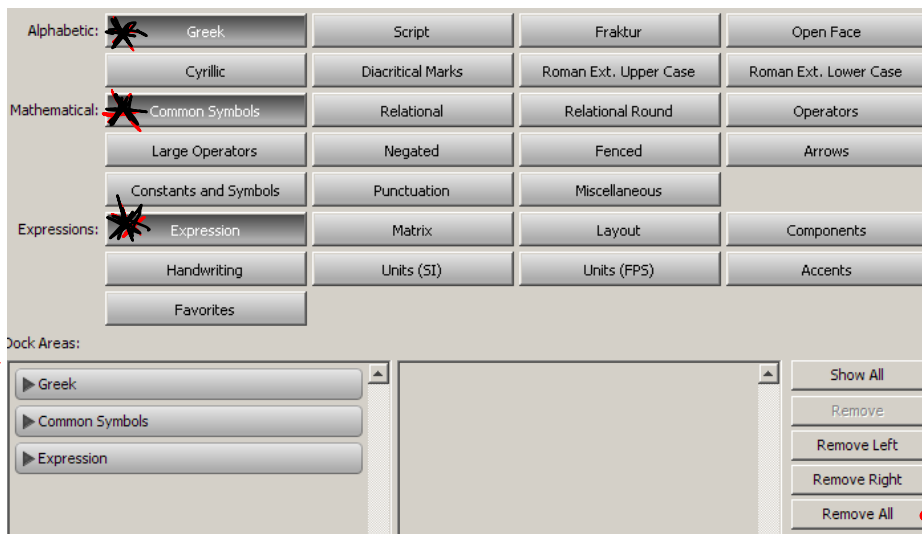
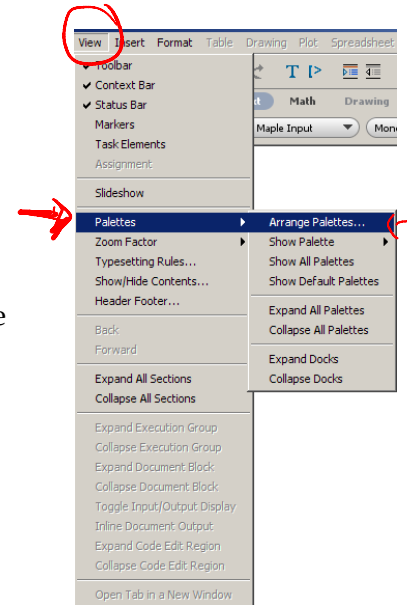


- Click the Apply Globally button on the bottom.
- The change will take effect next time you start Maple 12.

## Palettes

The palette options are available from the Maple 12 user interface under the View menu. Pull down the View menu and choose Palettes and then Arrange Palettes.

- Click Remove All.
- Click Greek, Common Symbols, and Expression.
- Click OK.



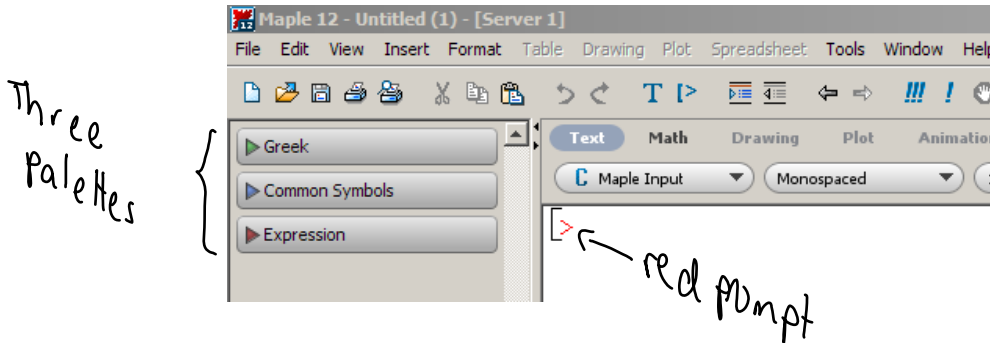
Click these second

These will appear

Click this first

## Finish

Close out of your Maple session and re-open Maple 12. You should only see three Palettes on the left of your screen. You should see a red Maple prompt ( $>$ ).



## D. Accessing the Internet and Lab Materials

- Internet Explorer is the standard browser provided in the computer labs. An icon for Internet Explorer should be on your desktop. Double click this icon to launch the browser.
- Open the Lab homepage (<http://www.math.sc.edu/calclab/141L-F08/>). Add this page to your list of favorite websites. (Click on the Favorites menu and then "Add to Favorites")
- The lab homepage contains links to all lab materials.
- From the Lab homepage, click on the Lab Schedule/Assignments. This page contains the weekly lab assignments. For Lab 1, you will see links to USC Columbia's version of this handout, the New User's Tour, and this week's assignment. The page will be updated weekly.

### New User's Tour

- From the Lab Assignments page, double click on the New User's Tour. I will walk you through this interactive introduction to Maple 12.
- When you have finished (or the lab session ends), please exit your Maple session and logout of the network. Do not forget to save useful work before exiting.
- Remember to log out of your computer before you leave.

### Assignment

Your assignment for this week is to complete the New User's Tour. This will give you a solid foundation to begin working with Maple next week.