EXERCISES

Introduction to *Mathematica*: Interface and Basics

I. Class Materials

1. Download Interface_Basics.tar

On Athena:

Copy the archive file from the locker **acmath** to a local working directory.

athena% add acmath
athena% cp /mit/acmath/math/IntroMathematica/Interface_Basics.tar **.**

Alternatively, from a web browser:

Open your browser and go to http://web.mit.edu/acmath/math/IntroMathematica.
Download the file **Interface_Basics.tar** to a local work directory.

2. Extract this session's directory and files

(Alternatively, you can download, or copy from the locker, the files one by one.)

On Athena:

tar –xvf Interface_Basics.tar

On a laptop:

Use your computer's utilities, such as double click or WinZip on Windows and StuffIt on Mac.

Your local work directory should now contain the following directories and files:

Interface_Basics

> InterfaceBasics.nb
> ExercisesInterfaceBasics.nb
> XYZpoints.txt
> escalera.jpg
> spring.jpg
> state25.gif
> MA2000data.txt

You may place and rename directories and files any way you wish. For consistency, we shall
refer to the directory **Interface_Basics** as the working directory for this session.

II. Start *Mathematica*

On Athena:

Go to the work directory **Interface_Basics** using the cd command:

athena% cd Interface_Basics

Then launch *Mathematica* from that directory by typing at the Athena prompt:

athena% add math
athena% mathematica &

On laptops:

Launch *Mathematica* the same way you launch any software on your laptop.

III. Open this session's files in *Mathematica*

Open the notebook file InterfaceBasics.nb at the beginning of class, using the File->Open menu of *Mathematica*.

When the exercises start, open also the file ExercisesInterfaceBasics.nb.

All additional instructions are in the two files.