

Classic or MathPrint Worksheets and Upgrading the Operating System

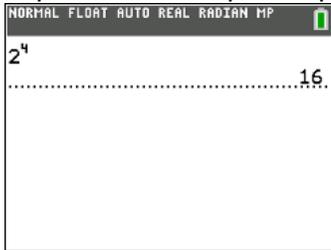
Objectives:

- Learn what MathPrint is and why it matters
- Info for TI-83, TI-83+, and TI-83 Plus users
- Info for all TI-84 Plus varieties and TI-83 CE Premium
- Use the MODE menu to find and enable (or disable) MathPrint
- How to find the operating system
- How to upgrade the operating system on your TI calculator

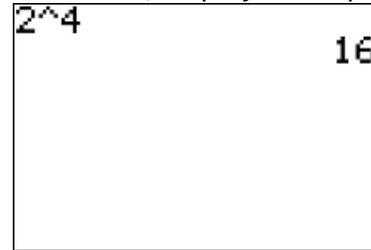
Learn what MathPrint is and why it matters

MathPrint displays exponents, fractions, and radicals so they match how math looks in textbooks. But not every TI calculator has MathPrint. For example:

A **newer calculator with MathPrint** displays an exponent as a superscript:



An **older calculator with Classic View** (not MathPrint) displays an exponent using a caret:



When using these worksheets, the screen images and keystrokes may be different for MathPrint users.

For example, MathPrint users will sometimes press right arrow  when Classic users press .

IMPORTANT: An older TI-83 is a good calculator and can do all that you need.

Info for TI-83, TI-83+, and TI-83 Plus users

If you have a TI-83 or a TI-83+ or TI-83Plus, you do not have MathPrint and, because you do not have a mini-USB port, you cannot upgrade to get it.

When using these worksheets, select “Classic view” to get instructions and screen images that match your calculator. TI-83, TI-83+, and TI-83 Plus users can skip the rest of this worksheet. ☺

IMPORTANT: A TI-83 calculator can do all the calculations that you need.

Info for all TI-84 Plus varieties and TI-83 CE Premium

TI-84 calculators might have either the “Classic” or “MathPrint” view, depending. See more below. The TI-83 CE Premium (from France) and TI-84 operating systems after OS 2.53 (released in Spring 2010) have MathPrint capacity.

Use the MODE menu to find and enable (or disable) MathPrint

quit

mode

To find if you have the MathPrint setting, press **mode**.

If you have it, the MathPrint setting will be on the first line. For example:

In this **MathPrint view** of the MODE menu, the first setting is MathPrint vs. Classic, with MATHPRINT highlighted (enabled).



In this **Classic view** of the MODE menu, there is no MathPrint vs. Classic setting:



Note: MathPrint users can disable MathPrint to get Classic View, though most people don't want to. For any setting in this menu, enable (ON is highlighted) or disable (OFF is un-highlighted),



- Use the directional arrows to move the cursor to the setting you want,

entry solve

enter

- then press **enter** to change the setting from OFF to ON or vice-versa.

How to find the operating system

In Spring 2010 OS 2.53 was released for the TI-84 Plus. If your operating system is 2.53 or greater, you can use MathPrint and upgrade your calculator using a USB connection to a computer.

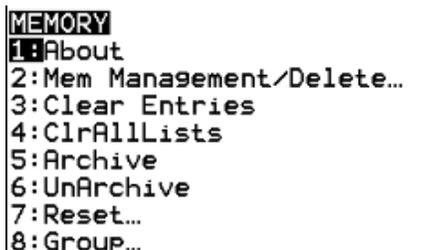
mem "



To see the Memory (MEM) screen, press **2nd** **+**, and see either:

this **MathPrint view** of the MEMORY menu,

or this **Classic view** of the MEMORY menu:



entry solve

enter

L1 Y

1

Select "Option 1: About" by pressing **enter** or **1**. The second line of your screen will show the operating system. Here are two examples:

this **MathPrint view** is system 5.3

```
TI-84 Plus CE  
5.3.1.0058  
PROD #:13-07-05-3A00  
ID:13001-9B6B3  
  
Help:education.ti.com
```

this **Classic view** is system 2.21

```
TI-84 Plus Silver Edition  
2.21  
PROD #: 0A-3-02-15  
ID: 0A329-B1524-2050  
  
Help: education.ti.com
```

To upgrade, your operating system must be 2.53 or greater, so 2.21 cannot be upgraded, but 5.3 can.

How to upgrade the operating system on your TI calculator

If your calculator doesn't have MathPrint, but you have

- checked that MathPrint isn't disabled
- a TI-84 calculator with a mini-USB port AND
- a cable for mini-USB to USB, AND
- a computer with internet access and a USB port

then you can upgrade the operating system!

It is **FREE** online at [Texas Instruments' Website](https://www.ti.com/education) , with step-by-step instructions.

If you have difficulties, you can **call 1-800-TI-CARES for free technical support** with this or anything else!

Typically, their hours have been 9AM - 5 PM Central, which is 7AM - 3PM Pacific.

The TI people are very patient, can walk you through fixing your calculator, and sometimes will even send you a free replacement calculator.