Conditions of use of GDCs in examinations from 2008 onwards

Graphic display calculator (GDC) models recommended for all subjects that allow calculators to be used

Texas Instruments TI-83 Plus/TI-83 Plus Silver Edition/TI-84 Plus/TI-84 Plus Silver Edition

Casio CFX-9850 GC Plus/FX-9750 G Plus/CFX-9950 Plus/FX1.0 Plus/FX-9860 G/FX-9860 AU/FX-9860 G SD/Graph 35 Plus/Graph 65 Plus/Graph 85/Graph 85 SD

(See the *Handbook of procedures for the Diploma Programme (Vade Mecum)* for a full list of recommended GDC models.)
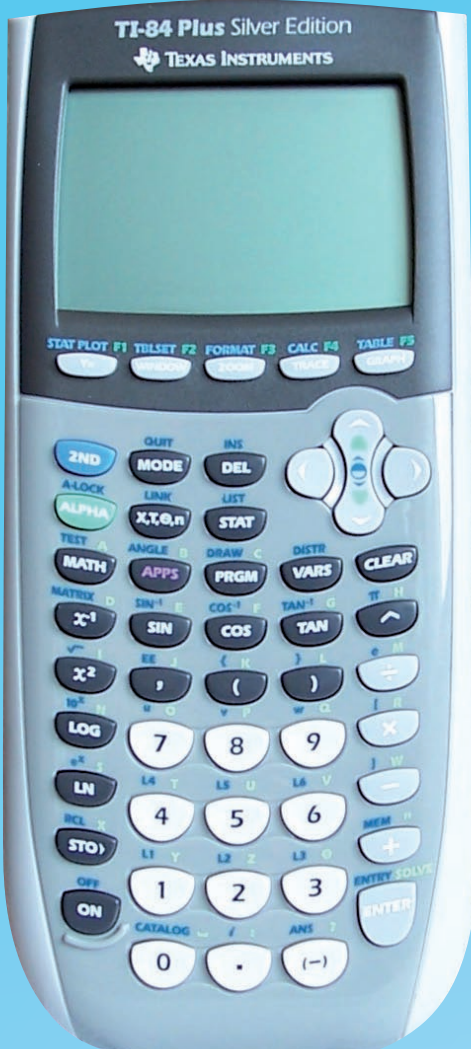
International Baccalaureate®

Texas instruments

TI-83 Plus/TI-83 Plus Silver Edition
TI-84 Plus/TI-84 Plus Silver Edition

Conditions of use in examinations

1. The RAM memory must be reset or initialized on all calculators. (See **Table 1** for instructions on how to achieve this.)
2. The ROM memory must be reset, initialized or modified so that only approved flash Apps remain in the calculator memory. (See **Table 2** for instructions on how to achieve this; see **Table 3** for a full list of approved flash Apps.)

How to reset the RAM memory of the TI-83/84 family of models

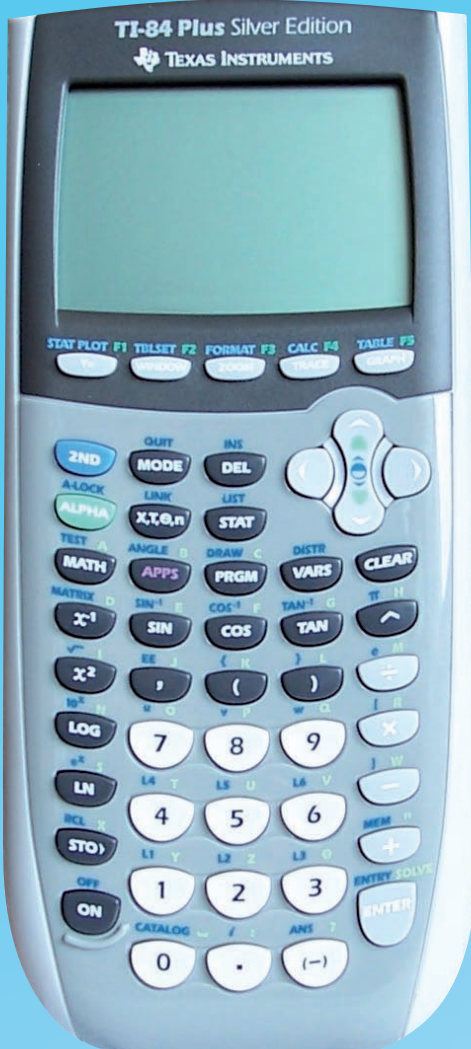| Table 1	
Press	**Result**
2nd then **+** to access memory functions.	MEMORY 1:About 2:Mem Mgmt/Del… 3:Clear Entries 4:ClrAllLists 5:Archive 6:UnArchive 7↓Reset…
7 to access reset function.	RAM ARCHIVE ALL 1:All RAM… 2:Defaults…
1 to reset all RAM memory.	RESET RAM 1:No 2:Reset Resetting RAM erases all data and programs from RAM.
2 to confirm RAM reset.	TI-84 Plus Silver Edition 2.21 RAM cleared
2nd **+** **2** **7** will display full RAM and no files. RAM FREE 24250 TI-84+SE RAM FREE 24289 TI-83+SE RAM FREE 24303 TI-83+	RAM FREE 24250 ARC FREE 138274
PRGM will display the screen with no programs listed.	EXEC EDIT NEW

TI-82/TI-83/TI-85/TI-86 (models without ROM memory)

Conditions of use in examinations

1. The RAM memory must be completely reset. (See manufacturer's instructions on how to achieve this.)
2. The standard versions of the following RAM programs can be loaded after the RAM memory is reset.
   · Polynomial root finder
   · Simultaneous equation solver
   · Equation solver

Standard versions of RAM programs for most of these models can be found at www.ticalc.org.

How to remove flash Apps from the ROM memory of the TI-83 Plus/TI-83 Plus Silver Edition/TI-84 Plus/TI-84 Plus Silver Edition
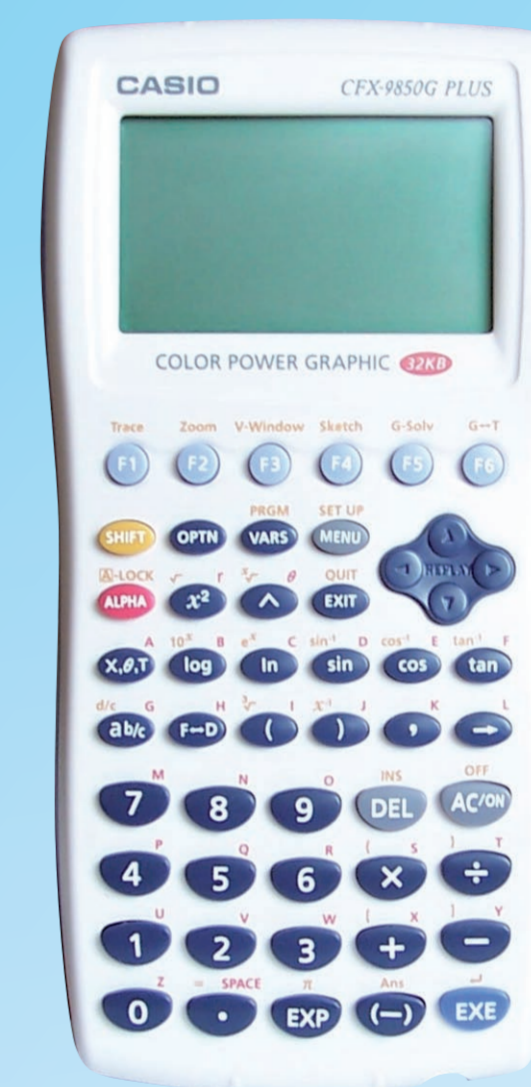
Table 2	
Press	**Result**
2nd then **+** to access memory functions.	MEMORY 1:About 2:Mem Mgmt/Del… 3:Clear Entries 4:ClrAllLists 5:Archive 6:UnArchive 7↓Reset…
2 to access memory management functions.	RAM FREE 22460 ARC FREE 138274 1:All 2:Real… 3:Complex… 4:List… 5:Matrix… 6↓Y-Vars…
ALPHA then **MATH** to view Apps in calculator memory. (The Apps displayed on this screen may be different to those found on your calculator.)	RAM FREE 22460 ARC FREE 138274 *ALG1CH5 32768 *ALG1PRT1 65536 *AreaForm 16384 *CBL/CBR 16384 *CSheetDe 49152 *CSheetEs 49152
▲ and ▼ to scroll up and down to select the Apps to be removed. Arrow indicates selection; on this screen, the Apps CabriJr has been selected.	RAM FREE 22460 ARC FREE 220194 *CSheetDe 49152 *CSheetEs 49152 *CSheetFr 49152 ▶CabriJr 65536 *CelSheet 49152 *Conics 32768
DEL to delete the Apps selected. A confirmation screen will appear.	Are You Sure? 1:No 2:Yes
2 to confirm delete. Updated display of Apps in memory will appear after a short pause. The Apps deleted will no longer appear. Repeat until only approved Apps remain.	RAM FREE 22460 ARC FREE 285730 *CSheetDe 49152 *CSheetEs 49152 *CSheetFr 49152 *CelSheet 49152 *Conics 32768 *CtlgHelp 32768
APPS to check Apps available on calculator.	APPLICATIONS 1:Finance… 2:CBL/CBR 3:CSheetDe 4:CSheetEs 5:CSheetFr 6:CelSheet 7↓Conics

(Note that Finance will not appear in the memory screens, but will only appear when **APPS** is pressed.)

List of approved flash Apps

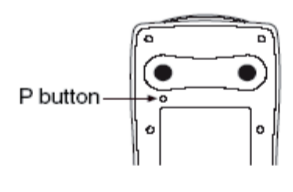| Table 3	
Screen name	**Full program/Apps name and version**
CBL/CBR	CBL™ v1.0, Texas Instruments
Chinese	Chinese Help v1.01, © Inventec, 1999
CtlgHelp	Catalog Help v1.0, © Texas Instruments, 2000
Dansk	Dansk Localizer v1.02, © Texas Instruments, 1999
Deutsch	Deutsch Localizer v1.02, © Texas Instruments, 1999
Español	Español Localizer v1.02, © Texas Instruments, 1999
Finance	Finance—part of TI operating system
Français	Français Localizer v1.02, © Texas Instruments, 1999
Italiano	Italiano Localizer v1.02, © Texas Instruments, 1999
Magyar	Magyar Localizer v1.02, © Texas Instruments, 1999
Nederlan	Nederlan Localizer v1.02, © Texas Instruments, 1999
Norsk	Norsk Localizer v1.02, © Texas Instruments, 1999
Polski	Polski Localizer v1.02, © Texas Instruments, 1999
PolySmlt	Polynomial Root Finder and Simultaneous Equation Solver v1.0, © Texas Instruments, 2001
PolySmlt 2	Polynomial Root Finder and Simultaneous Equation Solver v2.0, © Texas Instruments, 2006
Portug	Portug Localizer v1.02, © Texas Instruments, 1999
Suomi	Suomi Localizer v1.02, © Texas Instruments, 1999
Svenska	Svenska Localizer v1.02, © Texas Instruments, 1999

Casio

CFX-9850 GC Plus
FX-9750 G Plus
CFX-9950 Plus
FX1.0 Plus
FX-9860 G
FX-9860 AU
FX-9860 G SD
Graph 35 Plus
Graph 65 Plus
Graph 85
Graph 85 SD

Conditions of use in examinations

1. The RAM memory must be completely reset. (See **Table 4** for instructions on how to achieve this.)
2. The ROM memory must be initialized (FX1.0 Plus model only).

How to reset the RAM memory of the Casio CFX-9850 GC Plus/FX-9750 G Plus/CFX-9950 Plus/FX1.0 Plus/FX-9860 G/FX-9860 AU/FX-9860 G SD/Graph 35 Plus/Graph 65 Plus/Graph 85/Graph 85 SD

Table 4	
Press	**Result**
Locate the reset button on the back of the calculator.	P button
Use a thin, pointed object to press the reset button. The reset confirmation screen will appear.	****RESET**** RESET ALL MEMORIES? [F1] [F6] YES RESET ALL NO
F1	****MEMORY CLEARED!**** PRESS [MENU] KEY

If the display appears to be darker or dimmer after you reset the calculator, adjust the colour contrast.
See the manufacturer's manual for instructions for other models.