## AUTUMN TERM 2021 Calculators for School Use

CASIO



"Intrating function from the

## CASIO. Texas Instruments AURORA SHARP

Full ranges of calculators and software from all major manufacturers in stock for next-day delivery.

## **READY FOR ACTION!**

DES

Everything your pupils needs to be properly equipped for their maths lessons. **OXFORD ED GEOMETRY SETS and BAG O' BITS for exam use** Page 8 **Cases and screen protectors for graphics** Page 12

## **LASER ENGRAVING!**

School or pupil names, department, serial numbers, anything can be engraved to suit your needs.

From just £1!

## **GRAPHICS GALORE!**

Every exam approved for A level and IB exam use. See pages 11 – 16

## VALID UNTIL 31st DECEMBER 2021

# The Casio ClassWiz range

5+212

00

## The UK's most popular scientific calculators, preferred by over 80% of schools.

## CASIO, fx-83GT-X and fx-85GT-X Solar

The nation's favourite! Casio scientific calculators are a proven aid to the teaching and learning of mathematics. A perfect match of functions to the current maths curriculums and ease of use, all at an affordable price, the GT-X range are the very best calculators you can offer your students. Supported by SOFTWARE EMULATORS, that are now FREE OF CHARGE, GT-X will enhance teaching and learning of mathematics at all levels.

### Functions unique to GT-X models include:

- Equivalent ratios
- Improved statistics Quartiles
- Table of values for 2 functions rather than just a single function

 Statistics info now all shown on one screen



### CASIO EPENDAB

Despite global chip shortages, desperate shipping delays and massively increased costs, we can guarantee availabili 24 hours delivery and NO PI

Casio calcula

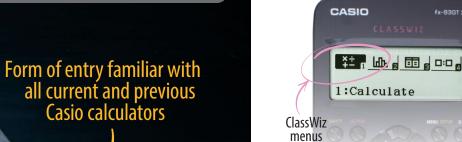
## fx-83GT-X offers mor choice of colour and sty than other calculators

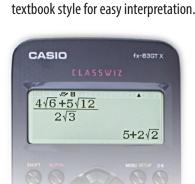
representati

CASIO



IMPORTANT: The default colour for us to ship is black. If you require blue and/or pink, please state clearly when ordering.





## Support

Casio are the only brand with a dedicated product division for calculator training and support within the UK.

WE'RE HERE TO HELP! Any questions, call OXFORD EDUCATIONAL on 01869 344500 or visit education.casio.co.uk/products/gtx



Easy to store and to sanitise for future use, our Scientific Class Sets are the convenient way to buy calculators for exam or everyday use. Engrave them to differentiate from pupil calculators at little extra cost. Supplied in Gratnells boxes with 'Secure Stack' inner with 30 slots and a lid, ready to use, as shown aside. No unpacking, no waste!

Model	Standard	Engraved
<b>CASIO fix-83GT-X</b> class set of 30 with storage box Black, pink and blue available. Please specify.	<b>£269.95</b> (£323.94) Order Code: FX-83GT-X-SET	£289.95 (£347.94) Order Code: FX-83GT-X-SET-LASER4
CASIO fix-85GT-X	£314.95 (£377.94)	£334.95 (£401.94)
class set of 30 with storage box	Order Code: FX-85GT-X-SET	Order Code: FX-85GT-X-SET-LASER4
CASIO fx-991EX	<b>£629.95</b> (£755.94)	<b>£649.95</b> (£779.94)
class set of 30 with storage box	Order Code: FX-991EX-SET	Order Code: FX-991EX-SET-LASER4

### (max 30 user: FREE TO ALL UK SCHOOLS!

Easy to Use

Using the ClassWiz technology, the

navigate icon menu and display.

fx-83GT-X and fx-85GT-X have an easy to

Network licences available now

entrally installed with the nu

## 



Word to help create worksheets

Natural

Display

## **GUARANTEED NEXT DAY DELIVERY**

Tel: 01869 344500 sales@oxford-educational.co.uk www.studentcalculators.co.uk



ity 1–39 Qty 40–99 Qty 100-



### ey features of using an emulator are:

 Adjustable screen sizes. Ideal for visually impaired students Record key strokes on the emulator as "Key-log records", go back and edit saved logs as required. Automatically playback saved Key-logs Copy and paste the screen and Key-logs into

• Emulators are licensed per user per year. The software may be installed locally or on the server.



sin(60)

## Calculate

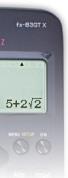
1 The fx-83GT-X and fx-85GT-X use the same Casio logic as all previous models. Calculations are entered in a logical manner, shown in textbook style with a clear, hi-res display.

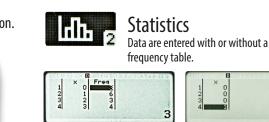
 $\sin(60)$ 

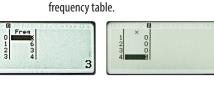
0.8660254038

0.26

The GT-X calculators have a much improved, high resolution screen, allowing Surds, fractions and recurring decimals to be shown in a natural,







$\frac{4\sqrt{6}+5\sqrt{12}}{2\sqrt{3}}$	4 15 15
5+2√2	
$\frac{4\sqrt{6}+5\sqrt{12}}{2\sqrt{3}}$	0.123
7.828427125	



ALCULATOR HERITAGE POSTER and without obligation, I 01869 344500 or email info@oxford-educational.co.uk for your copy



1:calculate

## CASIO, fx-85GT-X Solar

All the functions of the fx-83GT-X with SOLAR power

1-39 Qty 40–99 Qty 100+



Effectively and guickly sanitise our heavy-duty plastic zip cases between use, exam packs are a safe and convenient way to ensure your pupils always have the right equipment for their classes. Each pack includes a calculator, geometry set in a tin and an exam approved pencil case, all packed in an A4 plastic project case.

## EXAM PACKS

Model	Order Code	Qty 1–29	Qty 30+		
CASIO fx-83GT-X pencil case and geometry set	FX-83GT-X-EP State colour when ordering	£10.44 (£12.53)	£9.84 (£11.81)		
CASIO fx-85GT-X pencil case and geometry set	FX-85GT-X-EP	£11.98 (£14.38)	£11.30 (£13.56)		
CASIO fx-991EX pencil case and geometry set	FX-991EX-EP	£21.99 (£26.39)	£20.85 (£25.02)		

CASIO. DEPENDABILITY!

Despite global chip shortages, desperate shipping delays and massively increased costs, we can guarantee availabilit 24 hours delivery and NO PRICE RISES ON OUR CASIO RA

### **GUARANTEED NEXT DAY DELIVERY** Tel: 01869 344500 sales@oxford-educational.co.uk www.studentcalculators.co.uk





# The CASIO CLASSWIZ

CASIO

2)/2=2

TX-BBIEX

## CASIO, fx-991EX

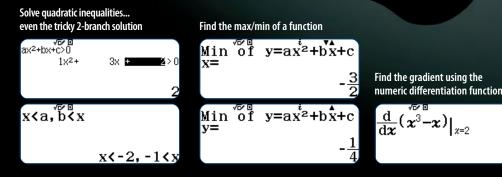
An excellent choice for A level maths studies with many of the advanced features of a graphical calculator at an affordable price.

Stunning design and a high-resolution screen delivers more information, all in text book form! The advanced features and ease of use will aid investigation and understanding by helping with complex calculations such as solutions to quadratic, cubic or quartic polynomial inequalities. To reinforce learning, everything is displayed exactly as written, even with correct inequality symbols!

- Simultaneous linear equations in 2-4 unknowns
- Matrices up to 4X4
- Probability distributions for normal, binomial and Poisson probability functions. Includes probability and cumulative probability distribution for all functions, and inverse normal distribution.
- 2nd-4th degree polynomials and inequalities
- Riemann integrals
- Enhanced Vector features offering the ability to show the angle between two vectors.
- Enhanced equation solver and a super-fast processor

With it's carbon fibre style case, metallic keys and advanced functions, the Casio fx-991EX is a pleasure to use and a joy to own!

ntity 1-49 Quantity 50+



0

## Free Emulator!

Network licences available now! Centrally installed with the number of simultaneous accesses you need (max 30 users). FREE TO ALL UK SCHOOLS!

DOWNLOAD

**NOW AT** 

Normal, Inverse Normal, Poisson and **Binomial distributions** 

- 4X4 matrices
- Simultaneous and polynomial equation solver
- Spreadsheets

Check the modulus of a vector

Abs(VctA)

ups

## **SCIENTIFIC CALCULATORS – PERFECT FOR TEACHING, PROVEN FOR LEARNING!**

Prices in brackets include VAT.



## AURORA

Displays expressions in a textbook format, as written or viewed. Factorial. Permutations and combinations, random number generator, two-variable stats, function evaluation table and much more! LCM, GCD and quotient/remainder divisions. Robust design with hard keys and a slide on plastic case with a 3 year warranty.

State colour when ordering: Black or Pink



previous models EL531W and EL531XB with identical functions and a more modern design. A calculator perfectly suited to GCSE maths studies and offering superb value for money!



**OES613** 

OXFORD

MODE ON

Pol( nCr

 $-(x^3-x)|_{x=2}$ 



-5+11

### SHARP **EL-W531TL WriteView**

Replaces the EL-W531B to continue the tradition of reliability and functions ideally suited to GCSE studies. Show fractions, square roots, surds and logarithms to any base including base, powers, reciprocals, trigonometric ratios, hyperbolic functions, etc., just as they are written, in textbook layout. Additionally there are powerful statistical analysis features, random number generator and the ability to work in different base number arithmetic.



## **OXFORD** 0ES613

Features a two line display with recall and edit functionality and algebraically correct form of entry. A scrolling top line shows the complete expression whilst the solution is visible below. Functions include: Factorials, Permutations and combinations. Random number. Fractions. Polar/rectangular conversions. Stats with data editor. Two-variable regression analysis. Robust design with a hard, slide-on case.

SPECIAL NOTE: Due to delays in production in China we may need to substitute our OES613 with the Aurora AX582. Spec is identical and we will inform you before shipping.

Quantity 1–29 **Qty 30+** 

**£3.75** (£4

### Free emulators!

Available for most models shown, the software emulates the operation of the calculators so that a large, interactive image of the calculator can be projected onto your whiteboard. Saves time in explaining keystrokes and aids understanding by practical explanation on the calculator.

### Key features of using an emulator are:

- Adjustable screen sizes. Ideal for visually impaired students
- Record key strokes on the emulator as "Key-log records", go back and edit saved logs as required
- utomatically playback saved Key-logs

Copy and paste the screen and Key-logs into Word to help create worksh

WNLOAD NOW To download, go to the QR code/web address

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CASIO fix-85GTX class set of 30 with storage box	<b>£314.95</b> (£377.94) Order Code: FX-85GT-X-SET	<b>£334.95</b> (£401.94) Order Code: FX-85GT-X-SET LASER4 <b>£649.95</b> (£779.94) Order Code: FX-991EX-SET LASER4 <b>£229.95</b> (£275.94) Order Code: EL-W531B-SET LASER4		
CASIO fx-991EX class set of 30 with storage box	<b>£629.95</b> (£755.94) Order Code: FX-991EX-SET			
EL-W531TH CLASS SET class set of 30 with storage box	<b>£209.95</b> (£251.94) Order Code: EL-W531B-SET			
EL-531TH CLASS SET class set of 30 with storage box	<b>£139.95</b> (£167.94) Order Code: EL-531TH-SET	£159.95 (£191.94) Order Code: EL-531TH-SET LASER4		
OES613 CLASS SET class set of 30 with storage box	<b>£119.95</b> (£143.94) Order Code: OES613-SET	<b>£139.95</b> (£167.94) Order Code: OES613-SET LASER4		
<b>AX-595TV CLASS SET</b> class set of 30 with storage box Black and pink available. Please specify.	<b>£194.50</b> (£233.40) Order Code: AX-595TV-SET	£214.50 (£257.40) Order Code: AX-595TV-SET LASER4		

## CLASS SETS

Easy to store and to sanitise for future use, our Scientific Class Sets are the convenient way to buy calculators for exam or everyday use. **Engrave them to differentiate** from pupil calculators at little extra cost. Supplied in Gratnells boxes with 'Secure Stack' inner with 30 slots and a lid, ready to use, as shown aside. No unpacking, no waste!

## R 7/EXAM PACKS

Effectively and quickly sanitise our heavy-duty plastic zip cases between use, this is a safe and convenient way to ensure your pupils always have the right equipment for their classes. Each pack includes a calculator, geometry set in a tin and an exam approved pencil case, all packed in an A4 plast project case.



Model	Order Code	Qty 1–29	Qty 30+	
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CASIO fx-85GTX pencil case and geometry set	FX-85GT-X-EP	<b>£11.98</b> (£14.38)	<b>£11.30</b> (£13.56)	
CASIO fx-991EX pencil case and geometry set	FX-991EX-EP	<b>£21.99</b> (£26.39)	<b>£20.85</b> (£25.02)	
AURORA AX-595TV pencil case and geometry set	<b>AX-595TV-EP</b> Available in black and pink State colour when ordering	<b>£8.24</b> (£9.89)	<b>£7.74</b> (£9.29)	
<b>OES613</b> pencil case and geometry set	OES613-EP	<b>£5.44</b> (£6.53)	<b>£4.99</b> (£5.99)	
SHARP EL-W531TL pencil case and geometry set	EL-W531TL-EP	<b>£8.59</b> (£10.31)	<b>£7.99</b> (£9.58)	
SHARP EL-531TH pencil case and geometry set	EL-531TH-EP	<b>£6.49</b> (£7.79)	<b>£6.20</b> (£7.44)	





ups



## **ACCESORIES FOR MATHEMATICS**

Prices in brackets include VAT.

## **GEOMETRY SETS**

The Oxford Educational Supplies Geometry Set in a tin: Metal compass and dividers, 15cm rule, 180° protractor, 30° and 45° set squares, stencil, pencil, sharpener and rubber. All supplied in a robust tin.

Quantity 100+ 49 (£1.79)





item	rnce
30 Bag o' Compasses with pencil	£9.95 (£11.94)
120 Bag o' Compasses with pencil	£34.95 (£41.94)
30 Bag o' Rules, 30cm	£6.95 (£8.34)
120 Bag o' Rules, 30cm	£19.95 (£23.94)

## **BAG O' BITS!**

A bag of mathematical bits! A transparent, exam approved pencil case containing compass, pencil, sharpener, eraser, 180° protractor, 30cm rule. Components are supplied in the case ready for distribution or exam use. Order Code: OES-BAGOBITS

0X 01 121

ups

## **IN-HOUSE LASER ENGRAVING SERVICE WITH HIGH QUALITY AND FAST DELIVERY!**

Secure your school stocks of calculators by selecting one of the distinctive colours of calculator and then engrave with school name, department details or even sequential serial numbers.

For pupils, we can engrave individual names. Everything is done in-house so as not to affect our 24 hour delivery promise.

### THE COST IS VERY REASONABLE!

Since our pricing is generally more than 20% lower than retailers such as Tesco, Sainsbury, Ryman and WHSmith you can engrave the calculators purchased from us and the total cost will still be less that retail price in most cases.

### The benefits are:

**Exam eligibility** – Particularly in the case of graphics, JCQ and awarding body guidelines are confusing! Marking eligible models takes away any chance of error, either by pupil or invigilator.

Crest or logo and 2 lines of text on the case or back ust £1.50 +VAT per cal



**Standardisation** – Ensure all pupils have the appropriate technology by ordering centrally and marking calculators.

**Economy from security!** – No more disputes of ownership where identical products are owned by school and pupils.

**Ownership** – Pupils will value a personalised item and take more care of it.

Serial numbering – We can sequentially number calculators if they are for your own stock allowing accurate inventory control.

**School branding** – Help to foster pride in your organisation and in mathematics by engraving your logo and department details.

Please note: Some logos do not reproduce well! We will advise suitability upon receipt of your instructions.

How to order:

We simply need to know your choice of calculator, where you would like the engraving and what you would like engraving, preferably in electronic form.

We love to speak to our customers so a quick 'phone call of 2 minutes to 01869 344500 is ideal. Alternatively, an email or school order with print details attached is fine.

WE ARE DETERMINED THAT THIS SERVICE WILL BE QUICK, SIMPLE AND INEXPENSIVE. PLEASE CALL NOW OR MENTION ENGRAVING AT THE TIME OF ORDERING IT WILL TAKE JUST **A FEW MINUTES TO ARRANGE!** 

Easy to store and to sanitise for future use, our Scientific Class Sets are the convenient way to buy calculators for exam or everyday use. Engrave them to differentiate from pupil calculators at little extra cost. Supplied in Gratnells boxes with 'Secure Stack' inner with 30 slots and a lid, ready to use, as shown aside. No unpacking, no waste!







## **GUARANTEED NEXT DAY DELIVERY**

Up to 4 lines of text that can include pupil names, department, serial number etc. **ust £1.00** VAT per calc

## **GRAPHIC CALCULATORS – APPROVED FOR USE IN ALL PUBLIC EXAMINATIONS, INCLUDING IB**

### Prices in brackets include VAT.

## CASIO, fx-CG50

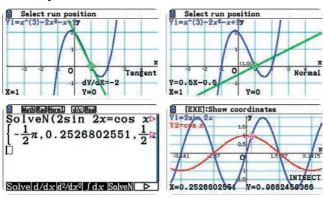
The current A-level has a greater emphasis on problem solving, modelling and reasoning. This means that students have to understand the mathematical concepts in depth and how they are linked.

The Casio fx-CG50 aids understanding and enables problems to be addressed that would be impractical or inefficient to tackle without it.

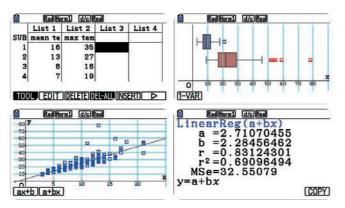
### A portable and dependable device, accessible anytime, anywhere!

- An intuitive tool that enables visualisation of maths, helping students to form conceptual understanding and discover links
- Powerful computation functionality beyond that found on even advanced scientific calculators
- fx-CG50 is accessible immediately no laptops or computer rooms need to be booked
- fx-CG50 can be used in the exam unlike any other type of technology
- Teacher support includes a free software emulator, free training and free ready-made learning resources
- 3D graphing for Further Maths
- Approved for use in GCSE, AS/A Level, Standard Grade, Higher Grade and Advanced Higher Grade examinations and all IB courses and examinations.

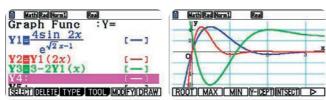
Explore graphs. Solve equations. Link the graphs and equations.



Learn how to interpret data diagrams, and simplify calculation of statistics. Import and use the large data set.



Check answers in exams – even the graphical questions. This calculator is fully approved for use in exams.



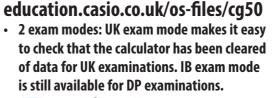
### CASIO Free of Charge Software Emulator Licenses:

Project a large facsimile of the fx-CG50 via your data projector and use on your IWB and Perfect for Software License Card use in distance learning. Excellent for instruction on use, screen grabs for creating worksheets and following step-by-step calculations.

> We are able to offer UK schools one year single or network licenses completely free of charge. Download now at:

https://education.casio.co.uk/emulators-oes

## FREE! Update to 0S3.5



0

n python 0S3.5 Includes the latest

Pvthon STEM subjects.

### New add-ins for FREE download:

- 3D Graphing
- Physium app with periodic table and physical constants
- Picture plot for modelling
- Probability simulations



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6

5

Each teacher package includes: **One Casio fx-CG50**, the latest colour graphic and the A 'Quick Start Guide' to get you using the calculator

## Free classroom support including the emulator for your

## **GUARANTEED NEXT DAY DELIVERY**

Tel: 01869 344500 sales@oxford-educational.co.uk www.studentcalculators.co.uk







FX-CG50

## **SPECIAL SCHOOL'S PRICE** Any Qty £69.95 (£83.94)

**ORDER 4 FOR FREE DELIVER** 

TEACHER TRIAL PACK. If you are considering using the CG50 graphical calculator in your teaching, we are delighted to offer you a very special trial edition, EXCLUSIVE TO OXFORD EDUCATIONAL. This pack contains everything to get you started quickly and easily. It will allow you to discover new approaches to teaching mathematics in just a few minutes

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A 'Getting Started Guide' that builds upon your experience

We have a very limited quantity of fx-CG50s for this offer To take up the offer call now on **01869 344500** or email sales@oxford-educational.co.uk We do not need a purchase order but if your school does you can email or telephone the order or order number to us This offer includes a link to obtain a free one year site licence for emulators for your maths

classrooms and free training on the use of fx-CG50 in teaching the A level mathematics syllabus



### **GUARANTEED NEXT DAY DELIVERY** iel: 01869 344500 sales@oxford-educational.co.uk www.studentcalculators.co.uk

## WYNGS<sup>©</sup> Cases and Screen Protectors for fx-CG50 with exclusive EXTENDED WARRANTY!

## Introducing our new protection to keep your investment safe.

With our zip-up case and glass screen protector fitted we can guarantee that your graphical calculator will be completely safe accidental damage replacement included, from smashed screen or it will be replaced with new FREE OF CHARGE!

For the first time ever, you have complete peace of mind to leaky battery damage!



Terms and Conditions In the event of a claim and a brand new replacement being required, we will require photographic evidence of the damage and showing that the case and screen protector were in use. This extended warranty is in addition to our "No return, return" special guarantee (see bottom of back page) and runs from the date of purchase of the calculator. This is in addition to the manufacturers warranty and your statutory rights.

## **Technology that's perfect** for teaching, proven for learning

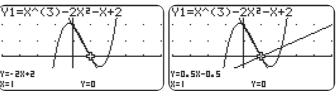
A-level mathematics places greater emphasis on problem solving, modelling and reasoning. Students must understand and link mathematical concepts in depth, as well as being able to process mathematically.

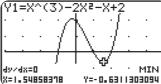
"The use of technology, in particular mathematical and statistical graphing tools and spreadsheets, must permeate the study of AS and A level mathematics." DFE content specification

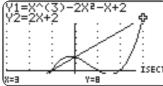
The benefits of hand held technology are well established and proven to help learning. Casio graphical calculators will aid understanding of the entire syllabus, all from a single personal device.

### Examples using CASIO fx-9860G-III **Explore graphs. Solve problems.**

- Find gradients, tangents and normals
- Find turning points and solve intersections







All graphical calculators shown are approved for use in public examinations.

Textbooks and resources from Hodder, Pearson, Oxford University **Press and Cambridge University** Press have plentiful videos, worksheets and teacher support linked through their e-textbooks.

24-01+7+0	Problem solving
x <sup>2</sup> - Ax = 1 = 0 x <sup>2</sup> - Ax = - 3x - 22 - 2 <sup>2</sup> = -	This is an equation so you can divide every by the same constant, Divide by 2 to get at even. The right hand side is 0 to it is unchang
(x = 2) =	Complete the square for s <sup>2</sup> - 4a. Add 2 <sup>4</sup> to both sides.
x-2+a/2 x=2+a/2	Take space roots of both sales.

## **GUARANTEED NEXT DAY DELIVERY**





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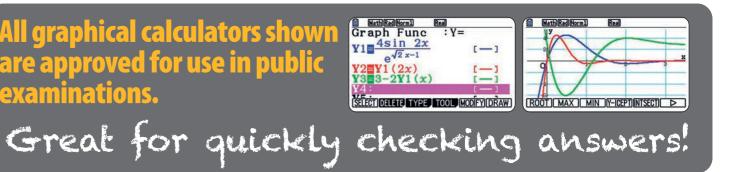




**Examples using CASIO CG-50** Calculate binomial and normal probability.

- Probability between two values
- Graph normal distribution
- No need to standardise the normal distribution
- Calculate inverse binomial and inverse normal

Binomial C.D :Variable Data :Variable Data Lower Numtrial:10 Upper :7 Numtrial:10 :0.35 p :0.35 Save Res:None Execute List Var Rad Norm1 d/c Re Vormal Variable Data :11.5 Lower Upper :13 0 1z:Up=0.4444 les∶None z:Low=-0.944 P=0.4991680673 Inverse Inverse Binomia Normal :Variable Data :Variable Data Area :0.0 Numtrial:10 Right:0.05 Area :0.35 :1.8 Save Res:None Save Res:None Execute List Var





### **EXPLORE CALCULUS**

Evaluate the derivative at a point. Draw the tangent and normal to the curve, showing the equation. Evaluate integrals and show the shaded area.

https://education.casio.co.uk/products/cg50



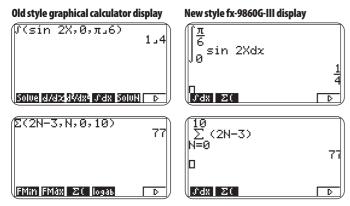
## **GRAPHIC CALCULATORS – APPROVED FOR USE IN ALL PUBLIC EXAMINATIONS, INCLUDING IB**

Prices in brackets include VAT.

## CASIO. fx-9860G-III

The fx-9860G-III features a natural, text book display making it possible to display fractions, exponents, logarithms, powers, and square roots just as they are written in the textbook.

Take a look at the impact on understanding of integrals and sums

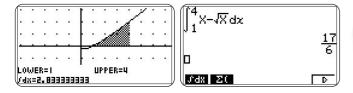


The fx-9860G-III graphic calculator has all the functions of the fx-9750. In addition this calculator has advanced features and a natural maths display – surds, fractions, derivatives, integrals and sigma summation show as in a textbook.

- Vector calculation (products, angle, magnitude)
- Geometry drawing
- Spreadsheet capability
- Examination mode

IB EXAM APPROVED. fx-9860G-III's shipped by OES have the special operating system installed that is approved for use in IB exams.

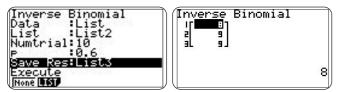
### Explore area under a curve, linking to definite integration.



Create spreadsheets on the fx-9860G-III. Here we investigate the approximation of a derivative by a chord

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<b>1</b>	8		DX	0.5		18	{		DX	0.1
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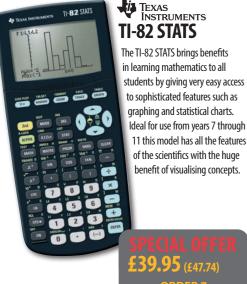


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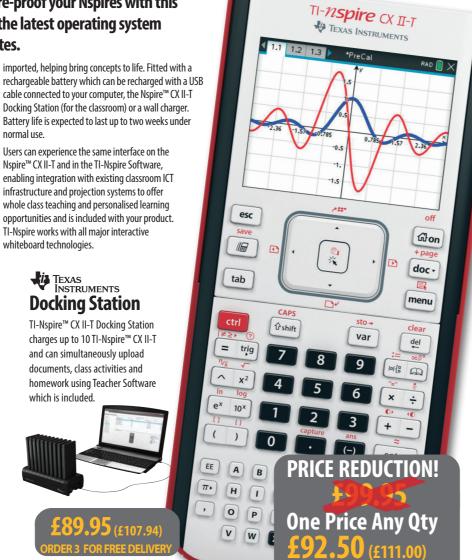


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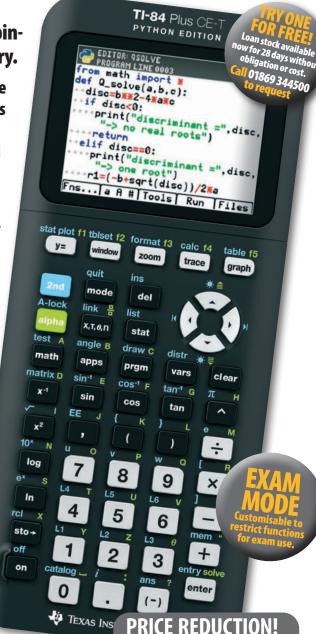
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