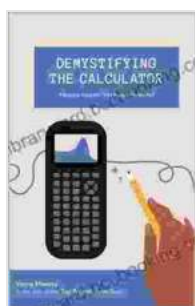


The Ultimate Guide to Using the TI-84 Plus CE on the ACT

The ACT is a standardized test that assesses high school students' college readiness in English, Math, Reading, and Science. The ACT Math section is particularly challenging, and calculators are allowed on this section. The TI-84 Plus CE graphing calculator is a powerful tool that can give you a significant advantage on the ACT Math section. This guide will teach you how to use the TI-84 Plus CE to its full potential on the ACT.

Mastering Advanced Functions

The TI-84 Plus CE can perform a wide range of advanced functions that can help you solve complex math problems quickly and easily. Here are some of the most useful functions you should know:



Demystifying the Calculator: A Guide to Using the TI-84 PLUS CE on the ACT by Collins Dictionaries

★★★★☆ 4.9 out of 5

Language : English

File size : 4253 KB

Screen Reader : Supported

Print length : 77 pages

Lending : Enabled



- **Solve:** The Solve function can be used to find the roots of equations. This is helpful for solving quadratic equations, polynomial equations, and systems of equations.

- **Factor:** The Factor function can be used to factor polynomials. This is helpful for simplifying expressions and solving polynomial equations.
- **Derivative:** The Derivative function can be used to find the derivative of a function. This is helpful for calculus problems.
- **Integral:** The Integral function can be used to find the integral of a function. This is helpful for calculus problems.
- **Matrix:** The Matrix function can be used to perform operations on matrices. This is helpful for solving systems of equations and linear algebra problems.

Optimizing Time Management

The ACT Math section is timed, so it is important to use your time wisely. The TI-84 Plus CE can help you save time by automating certain tasks. For example, you can use the calculator to:

- **Plot graphs quickly:** The TI-84 Plus CE can quickly plot graphs of functions. This is helpful for visualizing data and solving geometry problems.
- **Calculate statistics:** The TI-84 Plus CE can perform a variety of statistical calculations, such as mean, median, standard deviation, and regression analysis. This is helpful for solving statistics problems.
- **Store formulas:** You can store formulas in the TI-84 Plus CE so that you don't have to memorize them. This can save you time during the test.

Conquering Complex Math Problems

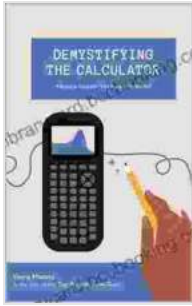
The ACT Math section includes a variety of complex math problems. The TI-84 Plus CE can help you solve these problems by providing you with step-by-step instructions and helpful visualizations. Here are some examples of how you can use the TI-84 Plus CE to solve complex math problems:

- **Solve geometry problems:** The TI-84 Plus CE can be used to solve a variety of geometry problems, such as finding the area of a triangle or the volume of a sphere. You can use the calculator to draw diagrams, measure angles, and calculate distances.
- **Solve trigonometry problems:** The TI-84 Plus CE can be used to solve a variety of trigonometry problems, such as finding the sine or cosine of an angle. You can use the calculator to evaluate trigonometric functions, convert between degrees and radians, and find the inverse of trigonometric functions.
- **Solve calculus problems:** The TI-84 Plus CE can be used to solve a variety of calculus problems, such as finding the derivative or integral of a function. You can use the calculator to graph functions, find critical points, and calculate limits.

The TI-84 Plus CE graphing calculator is a powerful tool that can give you a significant advantage on the ACT Math section. By mastering the advanced functions, optimizing your time management, and conquering complex math problems, you can improve your ACT score and increase your chances of getting into your dream college.

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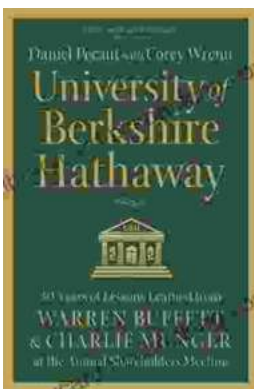


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