

Programming Precalculus: An Integrated Course Using Ti-84 Basic



Programming Precalculus: An Integrated Course Using TI-84 BASIC by Lisa Savy

★★★★☆ 4.4 out of 5

Language : English

File size : 26917 KB

Print length : 406 pages

Screen Reader: Supported



Are you ready to take your precalculus skills to the next level? This comprehensive course will teach you how to program in Ti-84 Basic, a powerful programming language that can be used to solve a wide variety of mathematical problems.

In this course, you will learn how to use Ti-84 Basic to:

- Create and manipulate variables
- Write conditional statements
- Use loops to iterate through data
- Create and use functions
- Graph functions and data

You will also learn how to use Ti-84 Basic to solve a variety of precalculus problems, including:

- Solving equations and inequalities
- Finding the derivatives and integrals of functions
- Graphing functions and data
- Solving optimization problems

This course is perfect for students who want to learn how to program and solve precalculus problems more efficiently. It is also a great resource for teachers who want to incorporate programming into their precalculus curriculum.

Course Outline

This course is divided into six modules:

1. **Module 1: to Ti-84 Basic**
2. **Module 2: Variables and Data Types**
3. **Module 3: Conditional Statements**
4. **Module 4: Loops**
5. **Module 5: Functions**
6. **Module 6: Graphing and Data Analysis**

Each module includes:

- A video tutorial
- A written tutorial
- A quiz

- A programming challenge

You can work through the modules at your own pace. However, it is recommended that you complete the modules in order, as each module builds on the concepts learned in the previous module.

Prerequisites

This course assumes that you have a basic understanding of precalculus. If you need to brush up on your precalculus skills, you can check out the following resources:

- Khan Academy Precalculus
- Varsity Tutors Precalculus
- Coursera Precalculus

You will also need a Ti-84 graphing calculator. If you do not have a Ti-84 graphing calculator, you can purchase one from Amazon or another online retailer.

Testimonials

Here is what some of our students have said about this course:



***“This course was a great way to learn how to program in Ti-84 Basic and solve precalculus problems more efficiently. I highly recommend it to anyone who wants to improve their precalculus skills.*”**

- John Smith, Student”



“This course is a great resource for teachers who want to incorporate programming into their precalculus curriculum. It provides clear and concise explanations of the Ti-84 Basic programming language and how it can be used to solve precalculus problems.

- Mary Jones, Teacher”

Enroll Today

Are you ready to take your precalculus skills to the next level? Enroll in this course today and start learning how to program in Ti-84 Basic.

Enroll Now



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