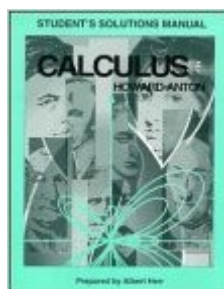


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# Calculus With Analytic Geometry: Student Solution Manual, 5th Edition



## Synopsis

Continues the outstanding tradition of earlier volumes with attention to detail, well-written explanations and a lively, accessible approach to learning. The size of this edition has been substantially reduced by rewriting major portions of the material for more efficient exposition and effective use of space. New material has been added on parametric representations of surfaces, Jacobians and Kepler's laws. Also includes new reference matter on complex numbers as well as biographies and historical notes which capture the personalities of the great mathematicians.

## Book Information

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## Customer Reviews

This is really a great book. I learned calculus from this book 20 years ago, and now, as I relearn it, I use it again. The writing is clear, and the examples progress from the easy to the difficult. If you are studying on your own, I recommend getting this or any other old edition of the book, along with the teacher's manual that has every problem solved. (If you're teaching yourself calculus, you do not need the latest and greatest book. Save your money and buy an old classic like this. If you can't find the complete user manual, consider ordering it through your library using an interlibrary loan. If you are inquisitive, sometimes, along the way, you might have an idea about something and want to test it out; for this I recommend either [alpha.wolfram.com](http://alpha.wolfram.com) or Mathematica. You could use a graphing calculator instead of these, but Mathematica is extremely powerful. If you're not ready to buy Mathematica, [alpha.wolfram.com](http://alpha.wolfram.com) is an excellent substitute. The one flaw in this book that I suspect many books share is the fragmented way in which it approaches integration techniques. The books

teaches around 10 methods for integration, and it's difficult to remember them all. However, I am not sure what could be done to improve this, so I don't deduct anything for this. A great feature of the book is that towards the latter part of the exercises, you are generally forced to reuse old skills that you may have started to forget. For instance, you may be working on integration techniques but then have to find the surface area of a solid of revolution, forcing you to recall how to set up that integral. Finally, I'll say that I'm slightly prejudiced, because I learned calculus from this book (or one edition earlier) years ago.

In taking the whole calculus sequence, teachers have pretty much forced me to buy a calculus book with every new class I took. I bought Anton's *Calculus With Analytic Geometry* for my first calculus class ever and throughout the following courses, I have always relied on it to explain to me what isn't explained in other calculus textbooks. It is not only a classic, but in my opinion, it's the best there is on the subject. By the way, the companion's books written by James E. Ward, are also great books. They take the reader into greater depth in understanding Anton's examples and explanations. These books are money well invested if you are serious about learning calculus, over time they will always have a special place in your library.

I have used Anton's *Calculus* texts off and on from the first edition. He is far and away the best writer I've ever used. Particularly helpful is the way topics in a chapter flow one into another. It is always difficult for 3-semester or 4-quarter courses to decide on a sequence of topics. Anton's choices in the fifth edition are different from what I would prefer, but they are acceptable to many programs. Regardless, he is again strong on the many ways he encourages and develops his readers' intuitive understanding of fundamental calculus ideas. My own students have actually come to believe that they can READ a calculus text because of Howard Anton.

..of calculus. This book is the best Calculus book I have seen so far, and I've been doing calculus for quite a while now. It's excellent if you need to self-teach yourself, refresh your memory, or even to just have it as a resource. I would recommend this to anyone.

Let me start by saying that I have tried reading several Calculus books and have found them to be either too vague and/or not analytical enough from a student's point of view. But with Howard Anton's *Calculus* books, especially if used in conjunction with the Companion books, learning calculus becomes very informative and fun. This book helped me get A's in Calculus 1 and 2. This

is indeed, a GREAT book. Unfortunately, I've lost it. Hence, I'm here.

This seems suitable for all levels of undergraduate calculus. The explanations of high school or 1st semester calculus are reasonably succinct and clear. I will be commencing multivariate calculus shortly and coverage seems adequate for that as well. There are truly a vast number of problems so I find it helpful for reviewing earlier subjects in preparation for my next course. I strongly recommend the Kindle version (which only works on the iPad or computer please note) as it is a facsimile of the written book but without the weight. I have an ancient hard copy by my bed as well...No big textbook for maths is perfect but I rarely get frustrated with this one, it would be my recommendation after I have been trying a few.

I am currently using this book for AP Calculus AB and I found out that this book has very detailed explanation of examples and all concepts. Well sometimes it is a bit too wordy, lol. Very well for self learners. I bought this book personally and also using the school textbook Calculus graphically, numerically and algebraically by Finney. Personally, I feel this book is better than the school one since it actually have detailed explanations.

I used this book for Calculus I, II, and III and found it a most elegant and well thought out book, rivaled by no other. There is, in this book, a remarkable balance between exemplification and proof other math books seem to have abandoned. On top of this refreshing balance are the beautiful and informative graphs ( No inaccurate pencil sketches in this book ) paired with loads of problems. Simply brilliant!

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