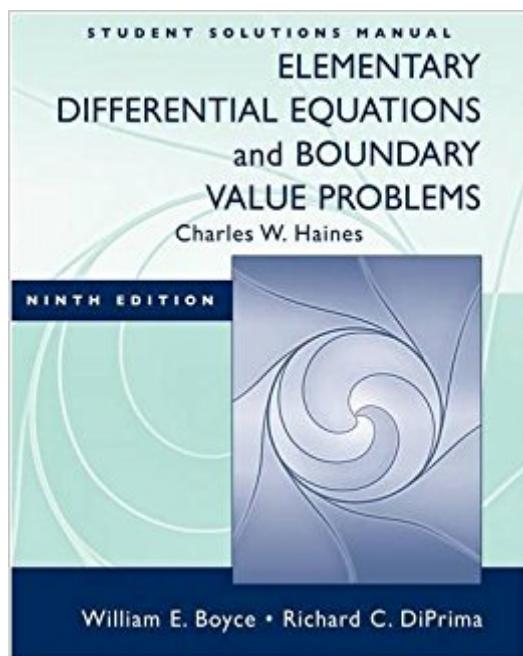


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# Student Solutions Manual: Elementary Differential Equations & Boundary Value Problems



## **Synopsis**

Written from the perspective of the applied mathematician, the latest edition of this bestselling book focuses on the theory and practical applications of Differential Equations to engineering and the sciences. Emphasis is placed on the methods of solution, analysis, and approximation. Use of technology, illustrations, and problem sets help readers develop an intuitive understanding of the material. Historical footnotes trace the development of the discipline and identify outstanding individual contributions. This book builds the foundation for anyone who needs to learn differential equations and then progress to more advanced studies.

## **Book Information**

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## **Customer Reviews**

For This course in general, it is difficult to knock the text books available, they are all pretty much sub par and difficult to learn from. I used this solutions manual every day; it was helpful at times, but there is an issue with the way the solutions are worked out a lot of the time. For many of the chapters, the solutions seem to be provided for the relatively simple problems. I often found that if i was working on a difficult problem, the solution was not likely to be included in this book half the time. When you do find a solution to a problem you are working on, they are made as short as possible; as a result the authors skip over literally every intermediate step involved in the solution, the "path" of the solution is not as clear as it should be for a solutions manual. This course involves some heavy algebraic technique in half of the chapters, so sometimes it is actually the algebra rather than the general procedure that gets one stuck on a problem...in these cases, the solution manual does not provide help because the authors do not feel the need to explain the subtle but

necessary technique's used to solve problems. For instance, in chapter five there are complicated problems involving series in finding ODE solutions; in the manual they show certain techniques like index shifting or taking out "n" terms to alter the index... without any explanation what so ever (none in the text book either) so it becomes very confusing to reverse engineer the solution and figure out the reasoning behind the solutions proposed in the manual. This is where the internet and you tube become essential for understanding these solutions. This is one example of how the solutions in the manual can be a little too bare, and somewhat lazy. If the book was helpful enough to earn me a decent grade in Differential Equations, i suppose it is "enough" to get anyone through it, which is why i give the book three stars.

While I have read the other reviews, I knew this book wasn't going to be extremely helpful, however I still believed it was better than nothing. Turns out this book was far worse than that of what I had anticipated. Like others have said, it skips questions, but it is sporadic. Although most of the answers comes around every 3 questions, sometimes when there is a big problem, it just skips it and goes to the next easiest question. And of those questions, it only does one part, meaning if there are multiple parts (a,b,c), it will only do a. Whoever wrote this book seems like they were half asleep and is too lazy to care. There are also mistakes in the headings. The answers in the book do not correspond with the answers in the back of the text book. The way the solutions manual solves the problems is different from how the book solves it. The explanations take shortcuts, meaning numbers magically appear out of nowhere with no explanation, leaving you in the dark on what they did to get to that step. Basically, if you are a person who is decent in math taking this course for the first time, you will spend more time deciphering what they did, rather than learning the steps to do it. I've bought many things on , and this is the first time I ever rated something. The textbook is similar, they jumble everything in together in text. It doesn't even seem like a math book. The explanations are hard to understand. The examples they give also skip steps that they assume you should already know and they barely help do the problems at the end of each section.

Realistically, all it gives you are a few vague steps, then boom! The answer. Not helpful for anything at all, other than getting the answers - which is basically nullified by the fact that the back of the textbook already gives it to you. If you're looking for solutions, I would suggest googling the problems in the book - University of Massachusetts has A TON of great resources online, including fully typed and explained solutions available for anyone to peruse. 95% of the time the problems you find on their sites are exactly the same as the ones in Boyce and DePrima. I'd take that any day

over this useless waste of dead trees - I actually ended up selling this solutions manual after a few weeks into the quarter because it was such a pointless piece of garbage.Oh, and nothing in it is in pretty print, it's all typed up. Whereas on the UMass sites, it's all in nice ,understandable format.

Notice: this book does NOT have all the answers, but has forced me in a way to really think through the problems so that I actually understand what I put down. The answers presented are selected so that there is at least one example for every type of problem mostly.To the guys out there who complain about how the book only give hints and selected answers: Please. If you take the time to look at the answer to a similar problem, you can easily work out your homework problems. This book saved my butt because the textbook itself was often misleading and unclear, but with the abundant examples provided by the solutions manual I feel like I am getting by pretty well.

I bought this solutions manual for my differential equations class, despite the largely negative reviews I'd read about it. Turns out, I should have listened. This solutions manual provides absolutely minimal help. It randomly skips problems (usually the ones that I really need help on), and even when I'm lucky enough to find the problem I need in the manual, it skips so many steps that I am more confused than before.This manual is a complete waste of money. You're much better off just re-reading the textbook until you get the concepts and/or asking your professor for help.Unless you don't mind having a solutions manual that skips an astonishing number of textbook problems at random, offers vague hints (at best) and skips many steps in solving the problems, you're better off investing your fifty bucks on a good tutor who really knows this stuff and can help.

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