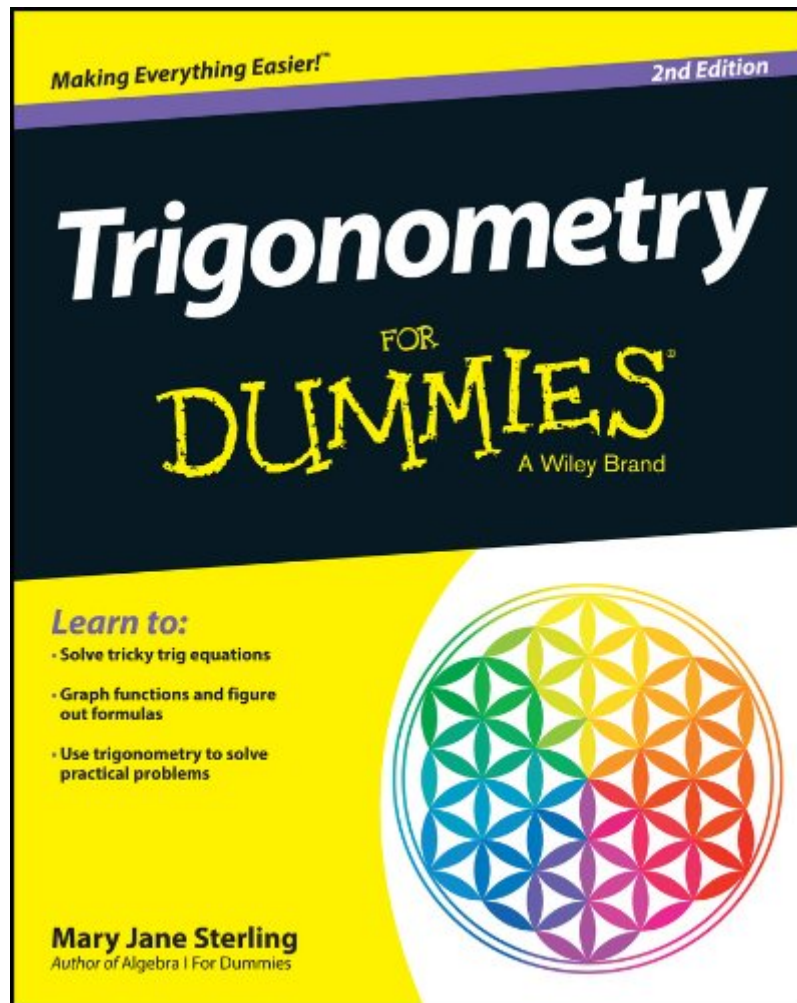




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# Trigonometry For Dummies



## Synopsis

A plain-English guide to the basics of trig Trigonometry deals with the relationship between the sides and angles of triangles... mostly right triangles. In practical use, trigonometry is a friend to astronomers who use triangulation to measure the distance between stars. Trig also has applications in fields as broad as financial analysis, music theory, biology, medical imaging, cryptology, game development, and seismology. From sines and cosines to logarithms, conic sections, and polynomials, this friendly guide takes the torture out of trigonometry, explaining basic concepts in plain English and offering lots of easy-to-grasp example problems. It also explains the "why" of trigonometry, using real-world examples that illustrate the value of trigonometry in a variety of careers. Tracks to a typical Trigonometry course at the high school or college level Packed with example trig problems From the author of Trigonometry Workbook For Dummies Trigonometry For Dummies is for any student who needs an introduction to, or better understanding of, high-school to college-level trigonometry.

## Book Information

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## Customer Reviews

I read the first edition and found it excellent. When this 2nd edition was announced, I purchased it

feeling it might improve on the first edition. I was correct. This is an outstanding book for self-study. It is well written in essentially non-technical terms when compared to some other mathematics texts. It can be easily understood, even by those just beginning, or refreshing, their study of trigonometry. It defines terms clearly and understandably, and includes some examples to re-enforce the concepts presented. However, the number of examples provided is relatively sparse, and as is often said mathematics is -not- a spectator sport, it needs to be participated in to develop a meaningful understanding. The small number of worked examples, the lack of Chapter exercises, and the emphasis on statements made without proof are the text's primary weaknesses. For this reviewer, these deficiencies are compensated for by the presentation's excellence. Because of the lack of proofs, this should be considered an applied, rather than a pure, mathematics text. If you are interested in learning basic trig terminology and gaining a fundamental understanding of how trigonometric problems are solved, this is an excellent book (although, as noted, one with a shortage of solved examples, and thus one requiring a supplemental problem book, such as Kelley's excellent "The Humongous Book of Trigonometry Problems"). However, if you're primarily interested in understanding why certain trigonometric statements are true and how to prove these statements, this book is not a good choice. This edition modifies, augments, and corrects material from the first edition. As examples, the informative section on "Angles in circles" has been added between the "Chord and Tangent" and "Sectors" sections, retained from the first edition. In addition, the first edition presents an example for finding the area of a sector. In that example, the diameter is incorrectly used in place of the radius in calculations. That error has been corrected here. This book provides one of the clearest explanations of the six trigonometric functions. It presents these using a broad brush introduction in the first Chapter. It later expands and extends this introduction, using an explanation involving the sides of a right triangle. In a still later section, the trig functions are presented from a somewhat different perspective, based on the coordinates of a circle. This book's text as well as its equations and graphs display nicely on my Kindle DX. However, many equation displays on my Kindle HDX 7", HDX 8.9", PC and Android Kindle emulators are literally unreadable. Enlarging the font, sadly, only enlarges the text, but not these equations or graphs. The equations are still unreadable. Later Kindles appear to have a significant problem in displaying formulas, and this problem now appears pervasive. I am not aware (at the time of this review) of any current comment from Amazon about this issue, or even if they are aware of it and have a "fix" planned. Perhaps, one of Amazon's team will read this review and comment on this problem, present at the time of this posting. It appears ubiquitous in most Kindle editions of mathematics and science texts targeted for the HDXs and Kindle emulators. I do not have HDs or Paperwhites and so cannot comment on versions

for those products; perhaps owners of these products will be kind enough to add comments here. Until this issue is fixed, I would gently recommend that any Kindle version of a mathematics or science text always be sampled on the target Kindle platform before purchase, and if this cannot be done, unless you are using a Kindle DX, the e-version be skipped in favor of the printed book. Bottom-line: This edition and the Kindle DX version can be highly recommended for applied users, but not for mathematicians, who would likely want a more "proof-oriented" text. This book deserves five stars for its content. Perhaps has implemented a solution to the formula display issue. However, I still found this same "formula" problem present in other Kindle books. If reads these reviews, may I gently suggest that until this problem is resolved, you consider -not- selling Kindle versions of any book containing formulas. If/when this display problem is fixed, please be kind enough to leave a comment with this review. Since now has an option for automatic updates available, we should then be able to see the correct display of these formulas on our Kindles and Kindle emulators. When/if I see 's comment I would be pleased to check my HDX and Kindle emulator versions of this book for the proper formula display, and update this review accordingly. Until then, while this text is highly recommended in its book form, it cannot be recommended of any Kindle HDXs or any versions of Kindle emulator software.

I was suffering through my online trig class. With no real instruction, and a horrible text book, I was constantly skipping through different websites to find somewhere that did not just skip over the basics, or over explain things. I found a few good sites, but could not tie any of the concepts together without base knowledge. When I bought this book, I thought may be a little bit of a help, but it turns out it may have saved me. The book gives you not just the "how", but also the "why", and in a fun quirky manner. It is well-organized, and very well-written. I got my A. Thank you!

I read this entire book, taking each chapter in order, in roughly 3 weeks at 3-4 hours per day. I agree with others that this book has typos. It's maddening to get a answer different from the book, only to realize you're right and the book is wrong, especially when the Dummies website provides no errata for this book. That said, when my answers differed, 80% of the time, it was MY fault, not the book. And that was easy to check by simply and freely typing the question into Google (or Wolfram Alpha or Sage Math) and checking the correct answer (the advantage there is getting accustomed to such systems). I hadn't studied Trig for over 20 years, and I'm glad I started with this book, especially since Trigonometry Refresher (Klaf), Trigonometry (Gelfand), and Trigonometry (Corral) -- the supposed "best of the bunch" for introductory texts -- were often not nearly as user-friendly (though

had fewer errors and were indeed excellent).

This is nice to have here at work. If you don't use it you lose it.

I got through this book in 4 days and smoked my Trig class with 100% on everything. Not the best book but enough to get on the right path I still have the ID's on my wall.

I bought this book for my son who was taking a class online for the summer. He said the book was great and assisted him in the areas that were not covered in the class.

If you are like me and have had problems understanding trig, no matter how many times you've taken the classes - then this book is a must! Its informative and easy to follow, with a touch of humor and history well blended to keep your attention. It includes practical situations in which I never considered just how much trig is used in everyday occurrences - from using angles in woodshops to how bearings are used in navigation - it is made fun and simple! - Heck if they used these books in college there'd be more people passing the classes than they'd have professors to teach them!

Provides a basic and quick course of the subject. Too few examples and no questions for practice.

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