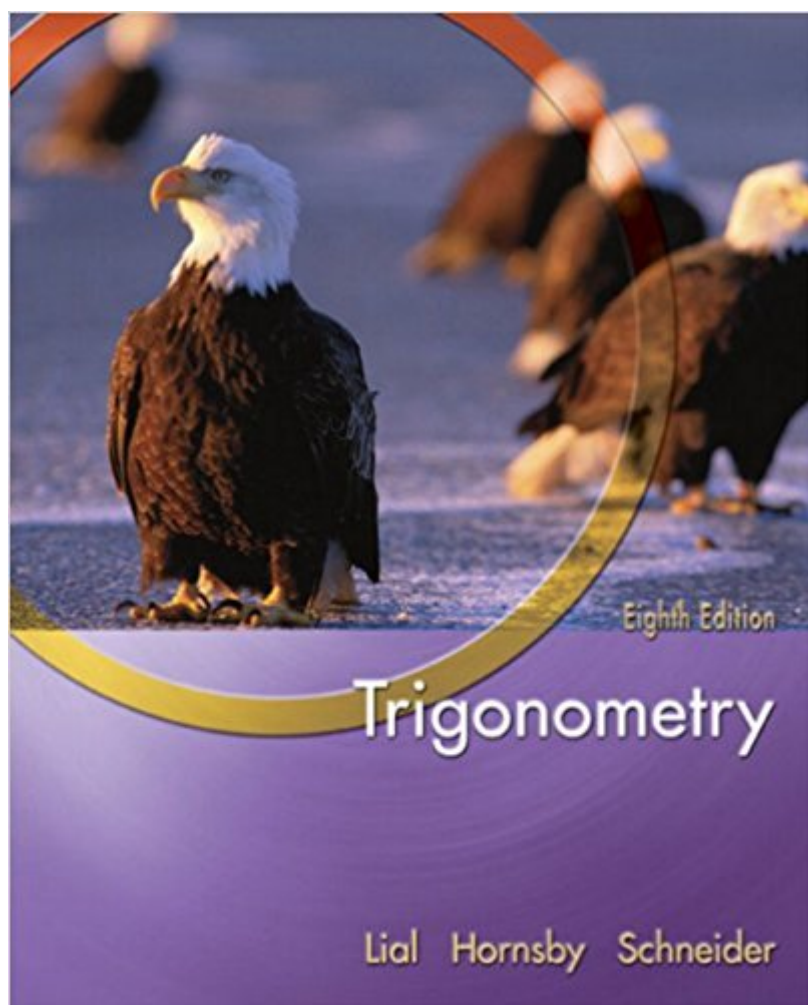


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# Trigonometry (Lial/Hornsby/Schneider Series)



## Synopsis

Focusing on helping students to develop both the conceptual understanding and the analytical skills necessary to experience success in mathematics, we present each mathematical topic in this text using a carefully developed learning system to actively engage students in the learning process. We have tried to address the diverse needs of today's students through a more open design, updated figures and graphs, helpful features, careful explanations of topics, and a comprehensive package of supplements and study aids. Students will benefit from the text's student-oriented approach. We believe instructors will particularly welcome the new Annotated Instructor's Edition, which provides answers in the margin to almost all exercises, plus helpful Teaching Tips.

## Book Information

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## Customer Reviews

I first learned trigonometry 26 years ago, and am currently a tutor in a Tutoring Center where math and English are the primary calls for our assistance. We started using this book on Trigonometry by Lial, Hornsby and Schneider last year, and it has been a real aid to all of us. The chapters are designed with brief overviews, 'Chapter Openers', at the beginning of each. There are sample exercises in the explanations, as well as exercises in the problem sets keyed to specific application of examples. There are summary exercises that give review of mixed concepts, pull-quote boxes (here called 'Function Boxes') to highlight the reference aspect of the text, and useful chapter reviews to the same. One thing that stands out about this text from the one I used so many years ago is the colour aspect. There are pictures, multi-coloured graphs and illustrations, and a general

feel to the book that makes it visually worthwhile to look at. This book also takes advantage of the increasing sophistication of calculators - again, back when I took trigonometry, there were tables of data in the back for looking things up, since calculators (such as they were) had only add/subtract/multiply/divide functions. The chapters go in a fairly standard pattern for trigonometry. Chapters progress from basic Trigonometric Functions, defining triangular and angular ideas. This continues more in depth with Acute Angles and Right Angles, then proceeds to Circular Functions, introducing Radian Measures in for good measure. The fourth chapter introduces graphing ideas for the circular functions (sine, cosine, etc.), while the sixth chapter introduces the idea of the inverse circular and trigonometric functions.

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