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verifying trigonometric identities is a useful technique when we want to convert a trigonometric expression to another form algebraically you can use these techniques to simplify trigonometric

expressions and to solve trigonometric equations

this trigonometry workbook focuses on trig identities the majority of the exercises let you derive a variety of trig identities by following similar examples if you get stuck helpful hints in the back of the book help walk you through the solution other exercises include applications such as how to find the tangent of 15 degrees without a calculator or how to apply trig identities to solve equations this book also serves as a handy list of numerous trig identities organized by topic the answer to every problem can be found at the back of the book the author chris mcmullen ph d has over twenty years of experience teaching math skills to physics students he prepared this workbook of the improve your math fluency series to share his knowledge of trig identities

in this book the author covers topics in mathematics from basic algebra through trigonometry providing definitions properties theorems terminology notation formulas and examples the author has also reserved space within the book for the student to work exercises alongside the examples provided thus the book functions as both a textbook and a workbook this book does not include an ample set of additional algebraic exercises at the end of each section and may serve a student best when used in conjunction with a separate source of sets of exercises

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