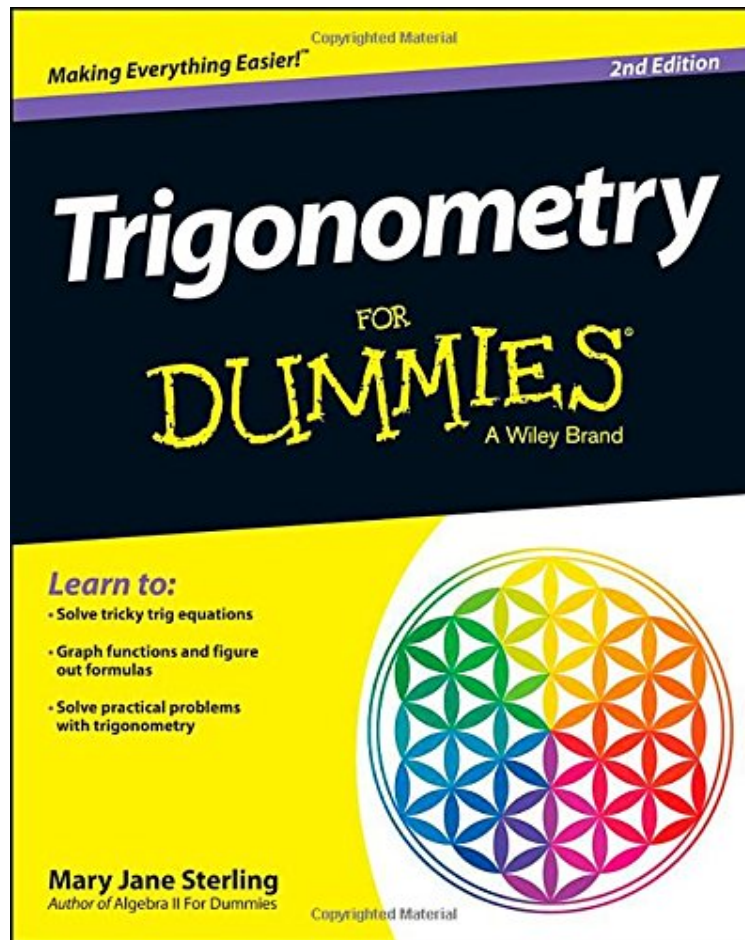


Trigonometry For Dummies

Mary Jane Sterling

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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.

From the Back Cover Learn to: Solve tricky trig equations Graph functions and figure out formulas Use trigonometry to solve practical problems Your guide to getting an angle on sines, cosines, and tangents Confused by cosines? Perplexed by polynomials? Dont worry! This friendly guide takes the torture out of trigonometry by explaining everything in plain English, offering lots of easy-to-grasp examples, and adding a dash of humor and fun. Youll see the ways trig applies to everyday life, and how its an important tool for a variety of careers. Start with basics get up and running with an overview of trig functions, radians, and more Learn tricky trig functions take things to the next level with SOH-CAH-TOA and circular functions Identify identities dig into reciprocal, ratio, opposite-angle, and Pythagorean identities Make trig work get practical with trig, find out how to use your calculator for complex solutions, and solve trig equations Graph functions figure out the basics of graphing sine, cosine, tangent, cotangent, and more Open the book and find: Definitions of trigonometry functions How to get down with Pythagoras and his theorem Ways to use Cartesian coordinates The lowdown on the sine, cosine, and tangent functions How to go 'round and 'round with circular functions The scoop on inverse trigonometry Details on graphing trig functions Ten basic identities and ten not-so-basic identities About the Author Mary Jane Sterling is the author of Algebra I For Dummies and many other For Dummies titles. She has been teaching mathematics at Bradley University in Peoria, Illinois, for more than 30 years and has loved working with future business executives, physical therapists, teachers, and many others.