

## Trigonometry, with the Theory and Use of Logarithms

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## Reviews

This book might be worthy of a go through, and a lot better than other. it had been writtern really properly and helpful. You may like just how the author write this publication. (Prof. Mattie Beatty)

## TRIGONOMETRY, WITH THE THEORY AND USE OF LOGARITHMS



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Rarebooksclub.com, United States, 2013. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.This historic book may have numerous typos and missing text. Purchasers can usually download a free scanned copy of the original book (without typos) from the publisher. Not indexed. Not illustrated. 1914 edition. Excerpt: .solution just given, is by means of the Law of Tangents. 6-c tan I (B-C) b + c tan (B + C) We explain this method by means of the same numerical example as was used to illustrate the last method. We first compute b--c, b + c, iCft+cy. Check by the formula a sin B = b sin A. 39. Case IV. Three Sides. As in Case III, triangles under Case IV may always be solved by the Law of Cosines. From c2 = a2 + b2--2 ab cos C we get a2 + 62 CsC=--2ab-- which is a form from which the angle may be computed. Given: a = 51.00 6 = 65.00 c= 20.00 aa = 2601 2ab = 6630 62 = 4225 2 5c = 2600 c2 = 400.0 2a? = 2040 C=18Q-(A + B) = Check by means of the Law of Sines. Or we may compute C directly by the method just used for A and B, and use the relation A + B + C = 180 as a check. If the numbers cannot be conveniently squared, the triangle may be solved by formulas better adapted to logarithmic computation. These formulas may be derived as follows: The Half-angle Formulas. By dividing by one another formulas (6) and (7) of 27, we find where the positive sign is used before the radical because, A being an angle of a triangle and therefore less than 180, A is necessarily acute,...

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