



A Synopsis of Practical Mathematics; Containing Plain Trigonometry, Mensuration of Heights, Distances, Surfaces, and Solids Surveying of Land, Gauging, Navigation, and Gunnery. with Tables of the Logarithms of Numbers, and of Sines and

By Alexander Ewing



Rarebooksclub.com, United States, 2012. 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 download a free scanned copy of the original book (without typos) from the publisher. Not indexed. Not illustrated. 1799 Excerpt: .to find the length of its side. x = the side of the nonagon. Half the angle of a nonagon is 70° , of which the tangent is 2.7474774--b. The half sum of the sides is $5 - bx$ and the perpendicular falling from the centre is $5 - 224.90$. cjb. Exam-The area of a nonagon is 10,000 square feet, -what is the length of its side? Ans. 40.214 feet. $a = 10,000 \div 24.7272966$ Then $a = 40.214$ feet. 9. The area of a regular decagon being given, to find the length of its side. The angle of a decagon is 144° , its half 72° , whose tangent is 3.0776835--b.--the perpendicular as before. The half sum of the sides is 5. Then a and a also $= 5 \div \tan 72^\circ$ Exam-The area of a decagon is 50,000 square feet, -what is the length of its side? Ans. 80.208 feet. $a = 50,000 \div 611.80208$



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