Elements of Geometry, Theoretical and Practical; Including Constructions of the Right Line and by the Circle Together with the Mensuration of All Elementary Plane Figures and Solids

By Eugenius Nulty

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. 1836 Excerpt: .then r=10 and the area=314.15926 PROBLEM XII. 84. To find the area of a sector of a circle, having the arc and radius given. The area= ar 12, in which a denotes the arc of the sector. Example. Let a be one tenth of the circumference, corresponding to r=6 feet. The circumference c=37.6992, the arc a=3.76992; and the area=3x3.76992=11.30976 square feet. PROBLEM XIII. 85. To find the arc of a circular segment of which the chord and height are given. TIL Cm The arc a=----, nearly 13, in which h is the height of the segment, c the chord, and m--3r--iA, or 3 r--J-A, according as h is greater or less than half the radius r. For let A B A be a segment, of which the semiarc A B is one fifth of the circumference described from O with the radius O B = 1....

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