An Elementary Treatise on the Calculus; With Illustrations from Geometry, Mechanics and Physics

By George Alexander Gibson

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. 1901 Excerpt: .first or the second uadrant. 3. Show that sin x(l + cos x) is a maximum when #= a2 b2 4. Show that the minimum value of s-H =--is (a + b)2. sm x coa x x 5. If a sec 6+b sec (j = c, show that acos 0 + 6 cos is a minimum hen 6 = l, a, b, c being positive and the angles 6, $ acute. (Comire ex. 15a.) 6. Given the length (a) of an arc of a circle, show that the segment: which a is the arc will be a maximum when a is the diameter of the rcle. 7. A circular sector has a given perimeter; show that when the ea is a maximum the arc is double the radius, and that the maximum r-ea is equal to the square on the radius. 8. From a given circular...

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