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Examples in Differential and Integral Calculus; With Answers

By Charles Samuel Jackson

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. 1921 Excerpt: . Deduce the area between the arc OP and the chord OP, O being the origin. $\int_0^a \sqrt{a^2 - x^2} dx$. Find $\int (x-a-b)dx$ directly, and also by putting $x = a + b + z$. Illustrate by a diagram showing x , z , and the geometrical meaning of the integral. The area bounded by the parabola whose equation is $y^2 = 18a$; and by the chord cut off by the straight line $x = 2$ revolves round the straight line $x = 6$. Find the volume of the solid formed, all lengths being in feet. Illustrate the second integration by a diagram, and explain briefly but clearly the effect on the actual area of the diagram of the scales on which x and y are represented. 53. 1. Find the areas of the segments cut off by the axis of x from the curve $y = x(x-3)(x+2)$. 2....



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