



## Hirsch s Collection of Examples, Formul, Calculations, on the Literal Calculus and Algebra, Tr. by J.A. Ross

By Meyer Hirsch

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. 1827 Excerpt: .we put  $x^2 = y$ , the following form:  $--Ay^3 + Bf--Cy + D = 0$  and the roots of this equation are  $(Vp + Vq + Vr) ; (Vp + Vq - Vrf (Vp - Vq + Vr)^2, (Vp - Vq - Vrf^3$ . In order to determine from hence the coefficients A, B, C, D, we only need take the sum of these roots, the sum of every two of them, and so on. The following treatment, which has been frequently made use of already in the preceding part of this work, leads to the object in a shorter way. Let  $S_1, S_2, S_3, S_4$ , denote the sum of these roots, the sum of their squares, cubes, and fourth powers; then, when in IX, --A and C are put for A and C, and the symbol S for the one there used,  $A = S_1 B - AS_1 - S_1^2 c B S_1 - AS_2 + S_3^3 D = \dots$



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