



First Principles of Algebra Volume 2; Advanced Course

By Herbert Ellsworth Slaught

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. 1912 Excerpt: .lines, $y = a$, which are tangent to these curves. 135. Problem. Find the intersection points of the curve $y = a^2 + 3x+5$ and the line $y = 2$. Substituting for y and solving for x we have These results involve the imaginary unit already noticed in 112. Numbers of the type $a + b\sqrt{-1}$ are discussed further in 195. For the present we will regard such results as merely indicating that the conditions stated by the equations cannot be fulfilled by real numbers. This means that the curve and the line have no point in common, as is evident on constructing the graphs. By proceeding as in 134 we find that the line $y = 2$ is tangent to the curve $y = x^2 + 3x + 5$. Clearly all lines $y = a$, in which $a \neq 2$, are above this line and hence...



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