



A Syllabus of a Course of Lectures Upon Trigonometry; And the Application of Algebra to Geometry (Paperback)

By Henry Pearson

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. 1833 Excerpt: .is commonly given. 52. The equation $ay^2+a?y + cr^2+/ = 0$ (6), (suppressing the accents of r and y), may be transformed in all cases, in such a manner, that the term involving wy may be exterminated, by changing the direction of the rectangular axes (without altering the origin) through an angle- b 9, such that $\tan 9.9 =$. $a-c$ The transformed equation becomes (suppressing the accents of x and y), $ay + cV+/ = 0$ (c), or $ia+c+A/(a-c)2+62Jy!!+lfa+C-v/(a-c)2+6aa?2+/=0$ (d). 53. If $4ac$ be greater than b^2 , the coefficients d and c must have the same algebraical sign, whether + or--: if $4ac$ be less than b^2 , the coefficients a and c must have different algebraical signs, whether + or--: if $4ac = b^2$, we have $c = 0$: but this is the case excepted above (Art. 50.), where the coefficients of the simple powers of x and y ...



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