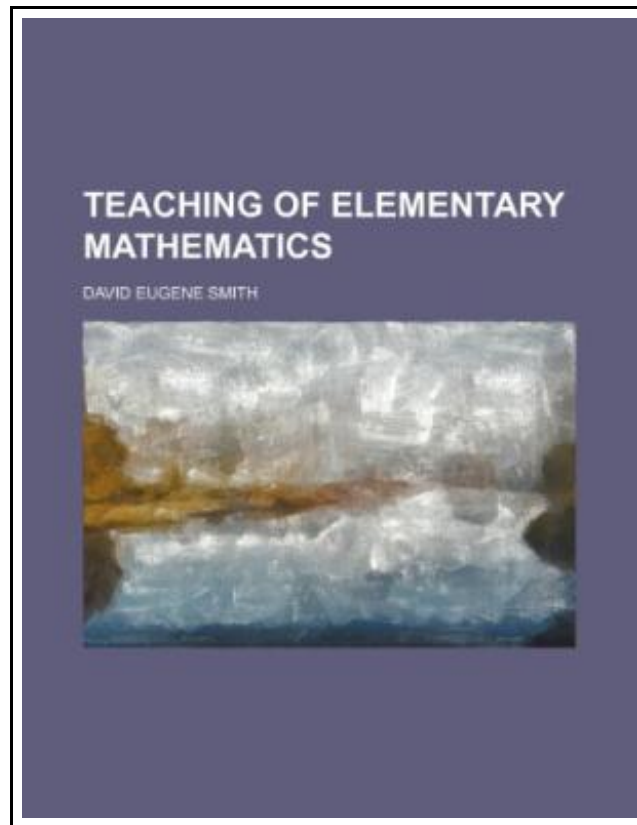


Teaching of Elementary Mathematics



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Reviews

It is an awesome book that we have possibly go through. It is actually writter in straightforward words and phrases and not confusing. It is extremely difficult to leave it before concluding, once you begin to read the book.

(Tierra Kunde)

TEACHING OF ELEMENTARY MATHEMATICS



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. 1902 Excerpt: .made a beginning before Euclid s time. Thymaridas of Paros, whose personal history is quite unknown, had already solved some simple equations, and had been the first to use the expressions given or defined ($\omega\pi\alpha\iota\epsilon\iota\epsilon\upsilon\omicron\iota$), and unknown or undefined ($\alpha\omicron\pi\iota\alpha\tau\omicron\iota$),² and it seems not improbable that the quadratic equation was somewhat familiar before the Alexandrian school was founded.³ Aristotle, too, had employed letters to indicate unknown quantities in the statement of a problem, although not in an equation.⁴ ² Cantor, I, p. 148; Gow, p. 97, 107. ³ Cantor, I, p. 301; but see Heath s Diophantos, p. 139. ⁴ Gow, p. 105. The most notable advance before the Christian era was made by Heron of Alexandria, about 100 B.C. Breaking away from the pure geometry of his predecessors, and not hesitating to speak of the fourth power of lines, he solved the quadratic equation¹ and even ran up against imaginary roots.² This was the turning-point of Greek mathematics, the downfall of their pure geometry, the rise of a new discipline. But it is to Diophantus that we owe the first serious attempt to work out this new science. An Alexandrian, living in the fourth century, probably in the first half, he wrote a work, $\text{}\alpha\pi\omicron\iota\mu\eta\tau\iota\kappa\alpha$, almost entirely devoted to algebra.³ This work is the first one known to have been written upon algebra alone (or chiefly). Diophantus uses only one unknown quantity, $\text{}\alpha\pi\omicron\iota\theta\epsilon\omicron\upsilon\kappa$ or $\text{}\alpha\omicron\pi\upsilon\rho\tau\omicron\varsigma$ $\text{}\alpha\pi\omicron\iota\theta\epsilon\upsilon\eta$, symbolizing it by θ or ς .⁴...



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