Diophantus Of Alexandria: A Study In The History Of Greek Algebra
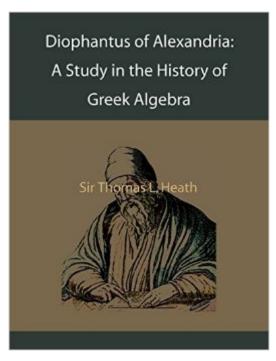

Diophantus of Alexandria:
A Study in the History of
Greek Algebra

Sir Thomas L. Heath

Synopsis

Reprint of Cambridge University press edition of 1910. Paperback. 387 pp. Diophantus of Alexandria, sometimes called "the father of algebra", was an Alexandrian mathematician and the author of a series of books called Arithmetica. These texts deal with solving algebraic equations, many of which are now lost. In studying Arithmetica, Pierre de Fermat concluded that a certain equation considered by Diophantus had no solutions, and noted without elaboration that he had found "a truly marvelous proof of this proposition," now referred to as Fermat's Last Theorem. This led to tremendous advances in number theory, and the study of diophantine equations ("diophantine geometry") and of diophantine approximations remain important areas of mathematical research. Diophantus was the first Greek mathematician who recognized fractions as numbers; thus he allowed positive rational numbers for the coefficients and solutions. In modern use, diophantine equations are usually algebraic equations with integer coefficients, for which integer solutions are sought. Diophantus also made advances in mathematical notation. Heath's work is one of the standard books in the field.

Book Information

Paperback: 396 pages

Publisher: Martino Pub (April 30, 2009)

Language: English

ISBN-10: 1578987547

ISBN-13: 978-1578987542

Product Dimensions: 7.4 x 0.8 x 9.7 inches

Shipping Weight: 1.6 pounds (View shipping rates and policies)

Average Customer Review: 5.0 out of 5 starsÂ Â See all reviewsÂ (1 customer review)

Best Sellers Rank: #1,218,493 in Books (See Top 100 in Books)   #136 inÂ Books > Science & Math > Mathematics > Pure Mathematics > Set Theory   #166 inÂ Books > Science & Math > Mathematics > Geometry & Topology > Algebraic Geometry   #698 inÂ Books > Textbooks > Science & Mathematics > Mathematics > Geometry

Customer Reviews

A treasury of early algebraic techniques with wonderful commentary and chapters in later advances in number theory, particulary Fermat.

Download to continue reading...

Diophantus of Alexandria: A Study in the History of Greek Algebra Greek: Greek Recipes - The Very Best Greek Cookbook (Greek recipes, Greek cookbook, Greek cook book, Greek recipe, Greek recipe book) GREEK MYTHOLOGY: Greek Gods Of Ancient Greece And Other Greek Myths - Discovering Greek History & Mythology - 3rd Edition - With Pics (Greece, Greek, Egyptian ... Greek History, Mythology, Myths Book 1) The Pocket Oxford Greek Dictionary : Greek-English English-Greek The Rise and Fall of Alexandria: Birthplace of the Modern Mind The Alexandria Link (Cotton Malone Book 2) A-Plus Notes for Beginning Algebra: Pre-Algebra and Algebra 1 Greek Cuisine: Top 50 Most Delicious Greek Recipes (Recipe Top 50's Book 100) Greek Takeout Cookbook: Favorite Greek Takeout Recipes to Make at Home GREEK MYTHOLOGY: 25 Spectacular Legends of Ancient Greece & Untold Myths of Zeus, Gods, Titans and Heroes in Greek Mythology Self-Discipline: Become A Greek Spartan: Everything You Need to Know to Transform Your Life into A Modern Day Spartan & Gain More Confidence, Hunger and ... (Greek Spartan Mindset, Spartan Discipline) Military History: Historical Armies of the World & How They Changed the World (Greek History, Spartans, Roman Army, Ancient Rome, Egyptian History, Special Ops) GRE Test Prep Algebra Review Flashcards--GRE Study Guide Book 5 (Exambusters GRE Study Guide) History: Human History in 50 Events: From Ancient Civilizations to Modern Times (World History, History Books, People History) (History in 50 Events Series Book 1) History: British History in 50 Events: From First Immigration to Modern Empire (English History, History Books, British History Textbook) (History in 50 Events Series Book 11) Algebra 2, Student Edition (MERRILL ALGEBRA 2) Algebra 1, Student Edition (MERRILL ALGEBRA 1) Algebra Sin Dolor: Painless Algebra, Spanish Edition (Painless Series) McDougal Littell Algebra 2 (Holt McDougal Larson Algebra 2) Grassmann Algebra Volume 1: Foundations: Exploring extended vector algebra with Mathematica