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Journey Through Genius Great Theorems

Journey Genius - University of Georgia

matics, with emphasis on why the theorems were significant and how the mathematician resolved, once and for all, the pressing logical issue Each chapter of Journey Through Genius has three primary components: The first is its historical emphasis The "great theorems" on the pages ahead span more than 2300 years of human history Before dis

Journey Through Genius: The Great Theorems of ...

TEXT: Journey Through Genius: The Great Theorems of Mathematicians by William Dunham, Penguin Publishers and Math Through the Ages: A Gentle History Expanded Edition by William Berlingho and Fernando Gouv^{ea}, MAA: Oxtan House Pub Topics may include: Ancient Mathematics (Egyptians, Babylonians, etc) Pythagorean Theorem, Trip to Maag Library

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journey through genius: the great theorems of mathematics new york: penguin books (required) (2008) lewis, sm (ed) source readings in the history of cosmological thought cwu coursepack description: we will study the foundations of calculus, ending with a brief introduction to the life and works of isaac newton and gottfried w

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PROBLEMS for Great Theorems - Euclid

PROBLEMS for Great Theorems 5 ____ William Dunham, "Problems for Journey Through Genius: The Great Theorems of Mathematics," MAA Convergence (July 2015

National Library

William Dunham, journey through genius: The great theorems of mathematics, john Wiley, New York, 1990, x + 300 pp, ISBN 0-471-50030-5 William Dunham, The mathematical universe: An alphabetical journey through the great proofs, problems and personalities, john Wiley, New York, 1994, VI + 314 pp, ISBN 0-471-53656-3

Great Thinkers, Great Theorems - statmonkey.us

to develop a "great theorems" course on the history of mathematics This led not only to the class itself but to his first book, Journey through Genius: The Great Theorems of Mathematics (John Wiley and Sons, 1990), which became a Book-of-the-Month Club selection and has since been translated into

MA 330 001, History of Mathematics University of Kentucky ...

Journey Through Genius: The Great Theorems of Mathematics, 1991, by William Dunham ISBN-10: 014014739X The Crest of the Peacock: Non-European Roots of Mathematics, third edition, 2011, by George Gheverghese Joseph ISBN-10: 0691135266 Loving and Hating Mathematics: Challenging the Myths of Mathematical Life, 2011, by Reuben Hersh and Vera John

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21 Required Texts: Journey Through Genius: The Great Theorems of Mathematics, by William Dunham ISBN-10: 014014739X Math Through The Ages: A Gentle History for Teachers and Others, Expanded Edition, by William P Berlinghoffi and Fernando Q Gouva ISBN-10: 0883857367 A Source Book in Mathematics, by D E Smith ISBN-10: 0486646904 22

History of Mathematics

or topics in mathematics history Those who use William Dunham's Journey Through Genius: The Great Theorems of Mathematics (see list of texts below) as a text for their courses often assign a "great theorem paper" written in the form of an additional chapter for the text as a ...

REVIEWS - JSTOR

Journey Through Genius: The Great Theorems of Mathematics By William Dunham, John Wiley & Sons, New York, 1990 xiii + 300 pp Joe Albree and

Marie Root Often our most satisfying and insightful travels are those made in the company of great companions Is William Dunham's Journey Through Genius such a compan-

Course: Math 218 - History of Mathematics.

Journey through Genius: The Great Theorems of Mathematics Publisher: Penguin Books ISBN: 978-0-14-014739-1 Equipment Needed: Although students may not be allowed to use calculators for some assignments and tests, students are expected to have a calculator (a graphing calculator is not required) at each class meeting, lab and testing session

Heronian Proofs Of The Pythagorean Theorem

In his delightful book, Journey Through Genius, William Dunham strains no one's credulity in recognizing Pythagorean's theorem and Heron's formula as two of "the great theorems of mathematics" [4] What may be far less obvious, however, is the uncanny reciprocity that can be demonstrated between these two ostensibly unrelated ideas

WILLIAM DUNHAM Quadrilaterally Speaking

both theorems 1 and 2, and so (with our prior notation) $a^2 + b^2 = c^2$ $abxy$ xy aa bb $++$ $+=$ $=$ Cross multiplication yields $0 = x^2 - 2xy + y^2 = (x - y)^2$, which implies that $x = y$ But a parallelogram with equal diagonals is a rectangle, so this direction is proved Con-versely, a rectangle is ...

evaluation: links: you must read the text thoroughly and ...

journey through genius: the great theorems of mathematics new york: penguin books (required) description: we will study the foundations of calculus, ending with a brief introduction to the life and works of isaac newton and gottfried w leibniz during the course of the quarter you will read and learn some of

Archimedes' Determination of Circular Area

Journey Through Genius: The Great Theorems of Mathematics, Proposition 1 reads, The area of any circle is equal to a right-angled triangle in which one of the sides about the right angle is equal to the radius, and the other to the circumference, of the circle 16 (The complete proof from Dunham's book is set forth in Appendix A)