

**GENERAL AND FINITE
MATHEMATICS**
LIBERAL ARTS MATHEMATICS I & II

EFUA OKOH

Mathematics For A Liberal Education

Michal Rosen-Zvi



Mathematics For A Liberal Education:

Mathematics in Liberal Education Florian Cajori, 1928

The Parthenon and Liberal Education Geoff

Lehman, Michael Weinman, 2018-03-01 Discusses the importance of the early history of Greek mathematics to education and civic life through a study of the Parthenon and dialogues of Plato

Mathematics for the Liberal Arts Donald

Bindner, Martin J. Erickson, Joe Hemminger, 2014-08-21 Presents a clear bridge between mathematics and the liberal arts

Mathematics for the Liberal Arts provides a comprehensible and precise introduction to modern mathematics intertwined with the history of mathematical discoveries The book discusses mathematical ideas in the context of the unfolding story of human thought and highlights the application of mathematics in everyday life Divided into two parts Mathematics for the Liberal Arts first traces the history of mathematics from the ancient world to the Middle Ages then moves on to the Renaissance and finishes with the development of modern mathematics In the second part the book explores major topics of calculus and number theory including problem solving techniques and real world applications This book emphasizes learning through doing presents a practical approach and features A detailed explanation of why mathematical principles are true and how the mathematical processes work Numerous figures and diagrams as well as hundreds of worked examples and exercises aiding readers to further visualize the presented concepts Various real world practical applications of mathematics including error correcting codes and the space shuttle program Vignette biographies of renowned mathematicians Appendices with solutions to selected exercises and suggestions for further reading Mathematics for the Liberal Arts is an excellent introduction to the history and concepts of mathematics for undergraduate liberal arts students and readers in non scientific fields wishing to gain a better understanding of mathematics and mathematical problem solving skills

Mathematics for a Liberal Education Merlin Maurice Ohmer, 1970

Functions of Mathematics for the Liberal Arts

Craig Johnson, 2021-12-23 Functions of Mathematics for the Liberal Arts is designed to showcase the utility and beauty of mathematics for the college student majoring in the humanities or liberal arts It uses a slow pace and informal style to explore not only its many uses but also its rich history as part of the human experience The development of mathematics is showcased within a larger cultural context and explained as the evolution both as a true art form as well as a universal language for solving problems to improve society

Mathematics for the Liberal Arts Student Fred Richman, Carol L.

Walker, Robert J. Wisner, 1973

Mathematics for a Liberal Education M. M. Ohmer, 1971-01

Mathematics for the

Liberal Arts Jason I. Brown, 2014-12-04 This textbook teaches everyday mathematics topics to non math majors at the undergraduate level Through numerous examples and more than 600 exercises students learn how to use math seamlessly in a variety of practical areas from conversion factors statistics visualization money and risk to games art music and humor The text develops a logical real world approach to data and reasoning Real life stories in each chapter capture students interest and motivate them to work through the math Ancillaries are available on the author's website

MATH for Liberal Arts Karl

J. Smith, 2010-01-01 Created through a student tested faculty approved review process involving over 120 students and faculty members MATH is an engaging and accessible solution that accommodates the busy lifestyles of today's learners at a value based price This paperback text offers a full suite of learning aids including end of chapter review cards downloadable flashcards and practice problems online video tutorials solutions to exercises and practice quizzes aimed at supplementing learning outside of the classroom MATH presents concepts in a visual and approachable way ideal for combating the math anxiety often found in Liberal Arts Math students Also available is Cengage Learning's Enhanced WebAssign a complete online homework management system for students and professors Important Notice Media content referenced within the product description or the product text may not be available in the ebook version

The Value of Mathematics in a Liberal Education Edward Benedict Auchter, 1931

Mathematics for Liberal Arts Manisha Ranade, 2020-12-30

Schaum's Outline of Mathematics for Liberal Arts Majors Christopher Thomas, 2008-08-31

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Math for Liberal Arts Karl J. Smith, 2010

When Are We Ever Going To Use This Stuff? James Matovina, 2017-05-12

When Are We Ever Going to Use This Stuff College Mathematics for the Liberal Arts Major is a college level mathematics textbook designed with liberal arts majors in mind Standard mathematics texts typically mimic the style and tone of those written for STEM track students This text while rigorous enough to ensure a high level of mastery over the material uses practical entertaining topics presented in a readable student centered style to teach mathematics concepts and skills for the non major When Are We Ever Going to Use This Stuff emphasizes practical application over symbolic manipulation across several different topics that are ideal for the liberal arts major Students learn where when why and how the math will help them in their lives The subject matter includes consumer math apportionment statistics probability set theory geometry right triangle trigonometry and voting techniques with the history of mathematics as a consistent motivational thread throughout Concepts are taught within familiar contexts with a focus on the development of problem solving skills When Are We Ever Going to Use This Stuff is a fresh student friendly offering for lower division courses that meet the math requirement for liberal arts students

A

Mathematics Sampler William P. Berlinghoff, Kerry E. Grant, Dale Skrien, 2001

Now in its fifth edition A Mathematics Sampler presents mathematics as both science and art focusing on the historical role of mathematics in our culture It uses selected

topics from modern mathematics including computers perfect numbers and four dimensional geometry to exemplify the distinctive features of mathematics as an intellectual endeavor a problem solving tool and a way of thinking about the rapidly changing world in which we live A Mathematics Sampler also includes unique LINK sections throughout the book each of which connects mathematical concepts with areas of interest throughout the humanities The original course on which this text is based was cited as an innovative approach to liberal arts mathematics in Lynne Cheney s report 50 HOURS A Core Curriculum for College Students published by the National Endowment for the Humanities

Math for Liberal Studies James Hamblin, 2014-03-19 **Math for Liberal Arts Majors** Christopher Thomas, 2016 *When are We Ever Going to Use this Stuff?* Jim Matovina, Ronnie Yates (Math professor), Ronald Yates, 2016

When Are We Ever Going to Use This Stuff College Mathematics for the Liberal Arts Major is a college level mathematics textbook designed with liberal arts majors in mind Standard mathematics texts typically mimic the style and tone of those written for STEM track students This text while rigorous enough to ensure a high level of mastery over the material uses practical entertaining topics presented in a readable student centered style to teach mathematics concepts and skills for the non major When Are We Ever Going to Use This Stuff emphasizes practical application over symbolic manipulation across several different topics that are ideal for the liberal arts major Students learn where when why and how the math will help them in their lives The subject matter includes consumer math apportionment statistics probability set theory geometry right triangle trigonometry and voting techniques with the history of mathematics as a consistent motivational thread throughout Concepts are taught within familiar contexts with a focus on the development of problem solving skills When Are We Ever Going to Use This Stuff is a fresh student friendly offering for lower division courses that meet the math requirement for liberal arts students Jim Matovina earned his M S in mathematics and a post baccalaureate certificate in statistics at Purdue University Calumet Professor Matovina teaches at the College of Southern Nevada where he has also served as chair of the math department as well as the department s webmaster Ronald Ronnie Yates earned his M S in mathematics at Montana State University and holds an M Ed in higher education leadership from the University of Nevada Las Vegas He is a professor of mathematics at the College of Southern Nevada where he has served as the department s webmaster and parliamentarian

Invited Lectures from the 13th International Congress on Mathematical Education Gabriele Kaiser, Helen Forgasz, Mellony Graven, Alain Kuzniak, Elaine Simmt, Binyan Xu, 2018-02-05 The book presents the Invited Lectures given at 13th International Congress on Mathematical Education ICME 13 ICME 13 took place from 24th 31st July 2016 at the University of Hamburg in Hamburg Germany The congress was hosted by the Society of Didactics of Mathematics Gesellschaft f r Didaktik der Mathematik GDM and took place under the auspices of the International Commission on Mathematical Instruction ICMI ICME 13 the biggest ICME so far brought together about 3500 mathematics educators from 105 countries additionally 250 teachers from German speaking countries met for specific activities The scholars came together to share their work on the improvement of mathematics

education at all educational levels The papers present the work of prominent mathematics educators from all over the globe and give insight into the current discussion in mathematics education The Invited Lectures cover a wide spectrum of topics themes and issues and aim to give direction to future research towards educational improvement in the teaching and learning of mathematics education This book is of particular interest to researchers teachers and curriculum developers in mathematics education

International Handbook of Research in History, Philosophy and Science Teaching

Michael R. Matthews, 2014-07-03 This inaugural handbook documents the distinctive research field that utilizes history and philosophy in investigation of theoretical curricular and pedagogical issues in the teaching of science and mathematics It is contributed to by 130 researchers from 30 countries it provides a logically structured fully referenced guide to the ways in which science and mathematics education is informed by the history and philosophy of these disciplines as well as by the philosophy of education more generally The first handbook to cover the field it lays down a much needed marker of progress to date and provides a platform for informed and coherent future analysis and research of the subject The publication comes at a time of heightened worldwide concern over the standard of science and mathematics education attended by fierce debate over how best to reform curricula and enliven student engagement in the subjects There is a growing recognition among educators and policy makers that the learning of science must dovetail with learning about science this handbook is uniquely positioned as a locus for the discussion The handbook features sections on pedagogical theoretical national and biographical research setting the literature of each tradition in its historical context It reminds readers at a crucial juncture that there has been a long and rich tradition of historical and philosophical engagements with science and mathematics teaching and that lessons can be learnt from these engagements for the resolution of current theoretical curricular and pedagogical questions that face teachers and administrators Science educators will be grateful for this unique encyclopaedic handbook Gerald Holton Physics Department Harvard University This handbook gathers the fruits of over thirty years research by a growing international and cosmopolitan community Fabio Bevilacqua Physics Department University of Pavia

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