Cardano And The Solution Of The Cubic Mathematics

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the handbook of cubic math unveils the theory involved in rubik s cube s solution the potential applications of that theory to other similar puzzles and how the cube provides a physical example for many concepts in mathematics where such examples are difficult to find nonetheless the authors have been able to cover and explain these topics in a way which is easily understandable to the layman suitable for a junior high school or high school course in math and appropriate for a college course in modern algebra this manual will satisfy the experts curiosity about the moves that lead to the solution of the cube and will offer a useful supplementary teaching aid to the beginners

solution of cubic and quartic equations presents the classical methods in solving cubic and quartic equations to the highest possible degree of efficiency this book suggests a rapid and efficient method of computing the roots of an arbitrary cubic equation with real coefficients by using specially computed 5 figure tables the method of factorizing an arbitrary quartic equation by an appropriate use of a resolvent cubic is also discussed section 4 of this text gives several numerical examples that show the rapidity

of the procedures suggested this publication is valuable to mathematicians and students intending to acquire knowledge of the cubic and quartic equations

this text is targeted at high school seniors who plan to enter business science and technology related fields and working professionals seeking to enhance their knowledge on various math topics including probability and optimization methods this book begins with the basic mathematical operations and ends with advanced and yet practical examples contains many real world examples supplemented with computer applications it is ideal for self study

it is commonplace that in our time science and technology cannot be mastered without the tools of mathematics but the same applies to an ever growing extent to many domains of everyday life not least owing to the spread of cybernetic methods and arguments as a consequence there is a wide demand for a survey of the results of mathematics for an unconventional approach that would also make it possible to fill gaps in one s knowledge we do not think that a mere juxtaposition of theorems or a collection of formulae would be suitable for this purpose because this would over emphasize the symbolic language of signs and letters rather than the mathematical idea the only thing that really matters our task was to describe mathematical interrelations as briefly and precisely as possible in view of the overwhelming amount of material it goes without saying that we did not just compile details from the numerous text books for individual branches what we were aiming at is to smooth out the access to the specialist literature for as many readers as possible since well over 700000 copies of the german edition of this book have been sold we hope to have achieved our difficult goal colours are used extensively to help the reader important definitions and groups of formulae are on a yellow background examples on blue and theorems on red

describes the cubic formula that can be used to completely analyze a cubic function without the need for calculus different than the cubic formula developed by the italian mathematician cardano that only found the roots of a cubic function

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excerpt from new and easy method of solution of the cubic and biquadratic equations embracing several new formulas greatly simplifying this department of mathematical science the beauty of any scientific theory is simplicity this has been the aim of the author in the composition of the following pages he has sought to render the solution of equations of the third and fourth degrees in a more simple form adapted to an elementary course of instruction in algebra to be used in schools and academies in most treatises on common algebra the solution and theory of quadratic equations or equations of the second degree are clearly developed in formula simple and easy to be comprehended and generally accompanied with numerous examples calculated to interest and encourage the young student but equations of the third and fourth degrees though often introduced by algebraical writers have been presented in such an unfavourable aspect and encumbered with so many complex rules requiring such a vast amount of labour that the pupil instead of being interested becomes weary and often disgusted with the obscurity of this department of his subject about the publisher forgotten books publishes hundreds of thousands of rare and classic books find more at forgottenbooks com this book is a reproduction of an important historical work forgotten books uses state of the art technology to digitally reconstruct the work preserving the original format whilst repairing imperfections present in the aged copy in rare cases an imperfection in the original such as a blemish or missing page may be replicated in our edition we do however repair

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