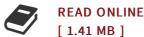# Mathematical Applications: For the Management, Life, and Social Sciences

By Harshbarger, Ronald J.; Reynolds, James J.

Cengage Learning, 2006. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+ Customer Service! Summary: Contents Note: Each chapter concludes with Key Terms and Formulas, Review Exercises, a Chapter Test, and Extended Applications and Group Projects, and Chapters 1-14 also being with a Warm-up. 0. Algebraic Concepts 0.1 Sets 0.2 The Real Numbers 0.3 Integral Exponents 0.4 Radicals and Rational Exponents 0.5 Operations with Algebraic Expressions 0.6 Factoring 0.7 Algebraic Fractions 1. Linear Equations and Functions 1.1 Solution of Linear Equations and Inequalities in One Variable 1.2 Functions 1.3 Linear Functions 1.4 Graphs and Graphing Utilities 1.5 Solutions of Systems of Linear Equations 1.6 Applications of Functions in Business and Economics 2. Quadratic and Other Special Functions 2.1 Quadratic Equations 2.2 Quadratic Functions: Parabolas 2.3 Business Applications of Quadratic Functions 2.4 Special Functions and Their Graphs 2.5 Modeling; Fitting Curves to Data with Graphing Utilities (optional) 3. Matrices 3.1 Matrices 3.2 Multiplication of Matrices 3.3 Gauss-Jordan Elimination: Solving Systems of Equations 3.4 Inverse of a Square Matrix; Matrix Equations 3.5 Applications of Matrices: Leontief Input-Output Models 4. Inequalities and Linear Programming 4.1 Linear Inequalities in Two Variables 4.2 Linear Programming: Graphical Methods 4.3 The Simplex Method: Maximization 4.4...

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