



## College Mathematics for the Managerial, Life, and Social Sciences

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Cengage Learning, 2007. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+ Customer Service! Summary: 1. STRAIGHT LINES AND LINEAR FUNCTIONS. The Cartesian Coordinate System. Straight Lines. Linear Functions and Mathematical Models. Intersection of Straight Lines. The Method of Least Squares. 2. SYSTEMS OF LINEAR EQUATIONS AND MATRICES. Systems of Linear Equations: An Introduction. Systems of Linear Equations: Unique Solutions. Systems of Linear Equations: Underdetermined and Overdetermined Systems. Matrices. Multiplication of Matrices. The Inverse of a Square Matrix. Leontief Input-Output Model. 3. LINEAR PROGRAMMING: A GEOMETRIC APPROACH. Graphing Systems of Linear Inequalities in Two Variables. Linear Programming Problems. Graphical Solution of Linear Programming Problems. Sensitivity Analysis. 4. LINEAR PROGRAMMING: AN ALGEBRAIC APPROACH. The Simplex Method: Standard Maximization Problems. The Simplex Method: Standard Minimization Problems. The Simplex Method: Nonstandard Problems. 5. MATHEMATICS OF FINANCE. Compound Interest. Annuities. Amortization and Sinking Funds. Arithmetic and Geometric Progressions. 6. SETS AND COUNTING. Sets and Set Operations. The Number of Elements in a Finite Set. The Multiplication Principle. Permutations and Combinations. 7. PROBABILITY. Experiments, Sample Spaces, and Events. Definition of Probability. Rules of Probability. Use of Counting Techniques in Probability. Conditional Probability and Independent Events. Bayes' Theorem. 8. PROBABILITY DISTRIBUTIONS AND STATISTICS. Distributions...



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