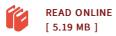




Mathematical Thinking and Quantitative Reasoning

By Aufmann, Richard N.; Lockwood, Joanne; Nation, Richard D.; Clegg, Daniel K.

Cengage Learning, 2007. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+ Customer Service! Summary: 1. Problem Solving 1.1 Inductive and Deductive Reasoning 1.2 Problem-Solving Strategies 1.3 Problem Solving Using Sets 2. Logic and its Applications 2.1 Logic Statements and Quantifiers 2.2 Truth Tables and Applications 2.3 The Conditional and Related Statements 2.4 Arguments 2.5 Euler Diagrams 3. Algebraic Models 3.1 First-Degree Equations and Formulas 3.2 Rate, Ratio, and Proportion 3.3 Percent 3.4 Direct and Inverse Variation 4. Measurement and Geometric Models 4.1 The Metric System 4.2 The U.S. Customary System 4.3 Basic Concepts of Euclidean Geometry 4.4 Perimeter and Area of Plane Figures 4.5 Properties of Triangles 4.6 Volume and Surface Area 4.7 Introduction to Trigonometry 5. Linear Models 5.1 Rectangular Coordinates and Functions 5.2 Properties of Linear Functions 5.3 Finding Linear Models 5.4 Linear Regression and Correlation 6. Nonlinear Models 6.1 Introduction to Nonlinear Functions 6.2 Exponential Functions 6.3 Logarithmic Functions 7. The Mathematics of Finance 7.1 Simple Interest 7.2 Compound Interest 7.3 Credit Cards and Consumer Loans 7.4 Stocks, Bonds, and Mutual Funds 7.5 Home Ownership 8. Probability and Statistics 8.1 Counting Methods 8.2 Introduction to Probability 8.3 Measures of Central Tendency 8.4 Measures of...



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