



## Mathematics: Its Power and Utility (Available 2010 Titles Enhanced Web Assign)

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By Smith, Karl J.

Cengage Learning, 2008. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+ Customer Service!

Summary: Part I: FOUNDATIONS: THE POWER OF MATHEMATICS.

1. ARITHMETIC, CALCULATORS, AND PROBLEM SOLVING. Math Anxiety. Formulating the Problem. Fractions and Decimals. Rounding and Estimation. Exponents and Prime Factorization. Common Fractions. Adding and Subtracting Fractions. Hindu-Arabic Numeration System. Different Numeration Systems. Summary and Review. 2. SETS OF NUMBERS. Symbol Shock. Addition of Integers. Subtraction of Integers. Multiplication of Integers. Division of Integers. Rational and Irrational Numbers. Summary and Review. 3. INTRODUCTION TO ALGEBRA. Polynomials. Similar Terms. Simplification. Equations. Solving Equations. Problem Solving with Algebra. Inequalities. Summary and Review. 4. PERCENTS AND PROBLEM SOLVING. Ratio and Proportion. Problem Solving with Proportions. Percent. Problem Solving with Percents. Summary and Review. 5. INTRODUCTION TO GEOMETRY. Euclidean Geometry. Polygons and Angles. Triangles. Similar Triangles. Summary and Review. 6. MEASUREMENT AND PROBLEM SOLVING. Precision, Accuracy, and Estimation. Perimeter. Area. Volume and Capacity. Miscellaneous Measurements. Converting Units. Summary and Review. Part II: APPLICATIONS: THE UTILITY OF MATHEMATICS. 7. APPLICATIONS OF PERCENT. Discount, Sale Price, Sales Tax. Simple Interest. Buying On Credit. Credit Card Interest. Compound Interest. Buying a Home. Summary and Review. 8. SETS AND LOGIC. Introduction to Sets. Subsets...

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