



# Precalculus: Mathematics for Calculus, Enhanced Review Edition

By James Stewart; Lothar Redlin; Saleem Watson

Cengage Learning, 2007. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+ Customer Service!  
Summary: 1. FUNDAMENTALS. Overview. Real Numbers. Exponents and Radicals. Algebraic Expressions. Discovery Project: Visualizing a Formula. Fractional Expressions. Equations. Modeling with Equations. Discovery Project: Equations through the Ages. Inequalities. Coordinate Geometry. Graphing Calculators: Solving Equations and Inequalities Graphically. Lines. Modeling Variation. Review. Test. Focus on Problem Solving: General Principles. 2. FUNCTIONS. Overview. What is a Function? Graphs of Functions. Discovery Project: Relations and Functions. Increasing and Decreasing Functions: Average Rate of Change. Transformations of Functions. Quadratic Functions: Maxima and Minima. Modeling with Functions. Combining Functions. Discovery Project: Iteration and Chaos. One-to-One Functions and Their Inverses Review. Test. Focus on Modeling: Fitting Lines to Data. 3. POLYNOMIAL AND RATIONAL FUNCTIONS. Overview. Polynomial Functions and Their Graphs. Dividing Polynomials. Real Zeros of Polynomials. Discovery Project: Zeroing in on a Zero. Complex Numbers. Complex Zeros and the Fundamental Theorem of Algebra. Rational Functions. Review. Test. Focus on Modeling: Fitting Polynomials to Data. 4. EXPONENTIAL AND LOGARITHMIC FUNCTIONS. Overview. Exponential Functions. Discovery Project: Exponential Explosion. Logarithmic Functions. Laws of Logarithms. Exponential and Logarithmic Equations. Modeling

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