



Calculus: Early Transcendentals (Available 2010 Titles Enhanced Web Assign)

By Stewart, James

Cengage Learning, 2007. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+ Customer Service! Summary: 1. Functions and Models. Four Ways to Represent a Function / Mathematical Models: A Catalog of Essential Functions / New Functions from Old Functions / Graphing Calculators and Computers / Exponential Functions / Inverse Functions and Logarithms / Principles of Problem Solving. 2. Limits and Derivatives. The Tangent and Velocity Problems / The Limit of a Function / Calculating Limits Using the Limit Laws / The Precise Definition of a Limit / Continuity / Limits at Infinity; Horizontal Asymptotes / Derivatives and Rates of Change / Writing Project: Early Methods for Finding Tangents / The Derivative as a Function. 3. Differentiation Rules. Derivatives of Polynomials and Exponential Functions / Applied Project: Building a Better Roller Coaster / The Product and Quotient Rules / Derivatives of Trigonometric Functions / The Chain Rule / Applied Project: Where Should a Pilot Start Descent? Implicit Differentiation / Derivatives of Logarithmic Functions / Rates of Change in the Natural and Social Sciences / Exponential Growth and Decay / Related Rates / Linear Approximations and Differentials / Laboratory Project: Taylor Polynomials / Hyperbolic Functions. 4. Applications of Differentiation. Maximum...



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