

## Calculus, Early Transcendentals

By Edwards, C. Henry; Penney, David E.

Pearson, 2007. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+ Customer Service! Summary: TABLE OF CONTENTSAbout the AuthorsPreface1 Functions, Graphs, and Models1.1 Functions and Mathematical Modeling Investigation: Designing a Wading Pool1.2 Graphs of Equations and Functions 1.3 Polynomials and Algebraic Functions 1.4 Transcendental Functions1.5 Preview: What Is Calculus?REVIEW Understanding: Concepts and DefinitionsObjectives: Methods and Techniques2 Prelude to Calculus2.1 Tangent Lines and Slope PredictorsInvestigation: Numerical Slope Investigations2.2 The Limit ConceptInvestigation: Limits, Slopes, and Logarithms2.3 More About LimitsInvestigation: Numerical Epsilon-Delta Limits2.4 The Concept of ContinuityREVIEW - Understanding: Concepts and DefinitionsObjectives: Methods and Techniques3 The Derivative3.1 The Derivative and Rates of Change 3.2 Basic Differentiation Rules 3.3 The Chain Rule 3.4 Derivatives of Algebraic Functions 3.5 Maxima and Minima of Functions on Closed IntervalsInvestigation: When Is Your Coffee Cup Stablest?3.6 Applied Optimization Problems3.7 Derivatives of Trigonometric Functions 3.8 Exponential and Logarithmic Functions Investigation: Discovering the Number e for Yourself3.9 Implicit Differentiation and Related RatesInvestigation: Constructing the Folium of Descartes3.10 Successive Approximations and Newton's Method Investigation: How Deep Does a Floating Ball Sink?REVIEW Understanding: Concepts, Definitions, and FormulasObjectives: Methods and Techniques4 Additional Applications of the Derivative4.1 Introduction4.2 Increments, Differentials, and Linear Approximation 4.3 Increasing and Decreasing Functions and the Mean Value Theorem 4.4 The First Derivative Test and ApplicationsInvestigation: Constructing a Candy Box...



## Reviews

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