



University Calculus: Elements with Early Transcendentals

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Pearson, 2008. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+ Customer Service! Summary: 1. Functions and Limits 1.1 Functions and Their Graphs 1.2 Combining Functions; Shifting and Scaling Graphs 1.3 Rates of Change and Tangents to Curves 1.4 Limit of a Function and Limit Laws 1.5 Precise Definition of a Limit 1.6 One-Sided Limits 1.7 Continuity 1.8 Limits Involving Infinity Questions to Guide Your Review Practice and Additional Exercises 2. Differentiation 2.1 Tangents and Derivatives at a Point 2.2 The Derivative as a Function 2.3 Differentiation Rules 2.4 The Derivative as a Rate of Change 2.5 Derivatives of Trigonometric Functions 2.6 Exponential Functions 2.7 The Chain Rule 2.8 Implicit Differentiation 2.9 Inverse Functions and Their Derivatives 2.10 Logarithmic Functions 2.11 Inverse Trigonometric Functions 2.12 Related Rates 2.13 Linearization and Differentials Questions to Guide Your Review Practice and Additional Exercises 3. Applications of Derivatives 3.1 Extreme Values of Functions 3.2 The Mean Value Theorem 3.3 Monotonic Functions and the First Derivative Test 3.4 Concavity and Curve Sketching 3.5 Parametrizations of Plane Curves 3.6 Applied Optimization 3.7 Indeterminate Forms and L'Hopital's Rule 3.8 Newton's Method 3.9 Hyperbolic Functions Questions to Guide Your Review Practice and Additional Exercises 4. Integration...



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