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- **Limits and Continuity:** Understanding the behavior of functions as they approach specific

points or infinity.

- **Derivatives:** Techniques for finding the rate of change of functions and their applications.
- **Integrals:** The process of finding the area under curves and the fundamental theorem of calculus.
- **Applications of Derivatives:** Real-world applications in physics, engineering, and economics.
- **Applications of Integrals:** Using integrals to solve problems related to area, volume, and accumulated quantities.
- **Sequences and Series:** Convergence, divergence, and the analysis of infinite series.
- **Multivariable Calculus:** Functions of several variables, partial derivatives, and multiple integrals.

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