Summary:

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- **Limits and continuity**: Building the conceptual base of calculus.
- **Differential calculus**: Focusing on derivatives, their computation, and real-world applications (tangent lines, optimization, motion, etc.).
- **Integral calculus**: Developing skills in antiderivatives, definite integrals, and their applications in area, volume, and physical problems.
- **Analytic geometry**: Exploring coordinate systems, conic sections, parametric and polar equations.
- **Functions of several variables**: Introducing multivariable calculus concepts like partial derivatives and multiple integrals.