

Name _____

Unveiling the Core: Exploring the Fundamental Theorem of Calculus

Short Answer Key

1. It's about the relationship between differentiation and integration.
2. The definite integral is equal to the antiderivative evaluated at the endpoints of the interval.
3. It allows us to calculate areas and volumes, solve differential equations, and analyze rates of change.
4. It finds applications in physics, engineering, economics, and other fields.
5. It states that integration is the inverse operation of differentiation.

