

Name _____

The Dynamic Duo: Differential vs. Integral Calculus

Open-Ended Response Answer Key

1. Differential calculus focuses on instantaneous rates of change, while integral calculus deals with the accumulation of changes over time.
2. Differential calculus is compared to a microscope, while integral calculus is compared to a telescope.
3. Derivatives are used to measure rates of change of a function at a specific point.
4. Finding the total amount of water that has flowed into a tank over a certain period.

