

Name _____

Cracking the Code: Understanding the Chain Rule

Open-Ended Response Answer Key

1. A composite function is described as a function within a function, like a Russian nesting doll.
2. The process involves taking the derivative of the outer function first, then multiplying it by the derivative of the inner function.
3. Understanding the chain rule allows us to analyze and solve a wide range of problems involving composite functions, which are prevalent in various fields.
4. The chain rule is likened to peeling off layers of an onion to get to the core, as it involves dissecting complex functions layer by layer to understand their behavior.

