

1. What is the Fundamental Theorem of Calculus?

- A. It is a theorem that proves the existence of the integral.
- B. It is a theorem that proves the uniqueness of the integral.
- C. It is a theorem that relates the derivative of a function to the function's integral.
- D. It is a theorem that relates the integral of a function to the function's derivative.

2. What is the main idea of the Fundamental Theorem of Calculus?

- A. It proves the existence of the integral.
- B. It proves the uniqueness of the integral.
- C. It relates the derivative of a function to the function's integral.
- D. It relates the integral of a function to the function's derivative.

3. Which of the following is NOT true about the Fundamental Theorem of Calculus?

- A. It is a theorem that proves the existence of the integral.
- B. It is a theorem that proves the uniqueness of the integral.
- C. It is a theorem that relates the derivative of a function to the function's integral.
- D. It is a theorem that relates the integral of a function to the function's derivative.

4. What does the Fundamental Theorem of Calculus allow us to do?

- A. It allows us to find the derivative of a function from its integral.
- B. It allows us to find the integral of a function from its derivative.
- C. It allows us to find the derivative of an inverse function.
- D. It allows us to find the integral of an inverse function.

5. How do we use the Fundamental Theorem of Calculus in practice?

- A. We use it to find the derivative of a function from its integral.
- B. We use it to find the integral of a function from its derivative.
- C. We use it to find the derivative of an inverse function.
- D. We use it to find the integral of an inverse function.

Answer Key: 1-C, 2-D, 3-A, 4-B, 5-B