

Name \_\_\_\_\_

## Calculating Success: The Role of Calculus in Economics and Finance

### Multiple Choice Questions

1. What is one key application of calculus in economics?
  - A) Solving crossword puzzles
  - B) Studying the behavior of economic variables
  - C) Analyzing demand functions and cost functions
  - D) Calculating the speed of light
  
2. How is calculus used in optimization problems in economics?
  - A) By determining the rate of change of a function
  - B) By predicting the weather
  - C) By analyzing historical events
  - D) By studying plant biology
  
3. What role does calculus play in finance?
  - A) Sewing clothes
  - B) Painting landscapes
  - C) Playing musical instruments
  - D) Portfolio management and risk assessment
  
4. What branch of calculus is used to model the behavior of economic variables over time?
  - A) Differential equations
  - B) Integral calculus
  - C) Geometry
  - D) Algebra
  
5. What field involves the statistical analysis of economic data?
  - A) Astrophysics
  - B) Econometrics
  - C) Paleontology
  - D) Linguistics

