

Unit 3: Derivative Basics

Having the basic tools and techniques is essential for success

3A Understanding the Definitions for Derivatives

Explain and use both forms of the definition				
Find derivatives at a point				
Find derivatives of functions				
Explain points of non-differentiability				
Understand instantaneous rates of change				

3B Finding Basic Derivatives

Algebraic (Power rule)				
Trig, Inverse Trig				
Logarithmic, Exponential				

3C Understanding Derivatives of Combined Functions

Use the product rule				
Use the quotient rule				
Use the chain rule				

3D Applying Techniques to Find Derivatives

Combine rules to find derivatives				
Use logarithmic differentiation				
Implicitly find derivatives				

3E Interpreting Derivatives

Explain the meaning of a derivative in context				
Explain the connections between a function and its higher-order derivatives				