# AP Calculus AB
# 1st Grading Period (7 days)

## Power Objectives:

- **Calculate the limit of a function at a specific point. (P.O. #1)**
- **Verify continuity or discontinuity of a function. (P.O. #4)**

## Academic Vocabulary:

- tangent
- secant line
- velocity
- average velocity
- instantaneous velocity
- limit
- one-sided limit
- infinite limit
- continuous
- discontinuous

## Functions and Limits

## Enduring Understandings:

- Functions can be analyzed graphically by their limiting behavior and rate change.
- Limits are the underlying concept supporting physical applications that are imbedded in many fields.

## Essential Questions:

- How does the concept of limit lead to a derivative?
- How does local linearity help us to analyze a function?