Unit 05: Accelerated: Limits

Content Area: **Math**
Course(s): **Generic Course**
Time Period: **Marking Period 4**
Length: **4 weeks**
Status: **Published**

Unit Introduction

Standards

Essential Questions

Content

- 12.1 Introduction to Limits: pg 814
- 12.2 Techniques for Evaluating Limits: pg 825
- 12.3 The Tangent Line Problem: pg 835

Skills

- Approximate limits of functions graphically and numerically
- Determine whether limits of functions exist
- Evaluate limits from calculus
- Evaluate one-sided limits of functions
- Find derivatives of functions and use derivatives to find slopes of graphs
- Use a tangent line to approximate the slope of a graph at a point
- Use properties of limits and direct substitution to evaluate limits
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- Use the definition of limit to estimate limits
- Use the dividing out technique to evaluate limits of functions
- Use the limit definition of slope to find exact slopes of graphs
- Use the rationalizing technique to evaluate limits of functions