

# Unit 1: Precalculus Review

Content Area: **Math**  
Course(s):  
Time Period:  
Length: **2-3 Weeks**  
Status: **Published**

## State Mandated Topics Addressed in this Unit

<u>State Mandated Topics Addressed in this Unit</u>	
N/A	N/A

## Precalculus Review

---

## Learning Objectives

---

- Exponential and Logarithmic Functions
- Functions and Graphs
- Lines
- Trigonometric Functions

## Essential Skills

---

- Applications
- Composition of functions
- Domain and range
- Equations of lines
- Exponential growth and decay
- Families of functions
- Functions
- Graphs of basic trigonometric functions
- Inverse functions
- Inverse trigonometric functions
- Logarithmic functions
- Parallel and perpendicular lines
- Piecewise functions
- Properties of logarithms

- Slope as rate of change
- Transformations

## **Standards**

---

## **Instructional Tasks/Activities**

---

- Activity 1
- Activity 10
- Activity 2
- Activity 3
- Activity 4
- Activity 5
- Activity 6
- Activity 7
- Activity 8
- Activity 9

## **Assessment Procedure**

---

- Classroom Total Participation Technique
- Classwork
- DBQ
- Essay
- Exit Ticket/Entrance Ticket/Do Now
- Journal / Student Reflection
- Kahoot
- Other named in lesson
- Peer Review
- Performance
- Problem Correction
- Project
- Quiz
- Rubric
- Teacher Collected Data
- Test
- Worksheet

## **Recommended Technology Activities**

---

- Appropriate Content Specific Online Resource
- Chromebook
- Copy/Paste Content Specific Link Here
- Copy/Paste Content Specific Link Here
- Copy/Paste Content Specific Link Here
- Gimkit
- GoGuardian
- Google Classroom
- Google Docs
- Google Forms
- Google Slides
- Kahoot
- MagicSchool AI
- Other- Specified in Lesson
- Quiziz
- Screencastify

## **Accommodations & Modifications & Differentiation**

---

Accommodations and Modifications should be used to meet individual needs. Their IEP and 504 plans should be used in addition to the following suggestions.

## **Gifted and Talented**

---

- Compare & Contrast
- Conferencing
- Debates
- Jigsaw
- Peer Partner Learning
- Problem Solving
- Structured Controversy
- Think, Pair, Share
- Tutorial Groups

## **Instruction/Materials**

---

- alter format of materials (type/highlight, etc.)
- color code materials
- eliminate answers
- extended time
- extended time
- large print
- modified quiz
- modified test
- Modify Assignments as Needed
- Modify/Repeat/Model directions
- necessary assignments only
- Other (specify in plans)
- other- named in lesson
- provide assistance and cues for transitions
- provide daily assignment list
- read class materials orally
- reduce work load
- shorten assignments
- study guide/outline
- utilize multi-sensory modes to reinforce instruction

## **Environment**

---

- alter physical room environment
- assign peer tutors/work buddies/note takers
- assign preferential seating
- individualized instruction/small group
- modify student schedule (Describe)
- other- please specify in plans
- provide desktop list/formula

## **Honors Modifications**

---

## **Resources**

---

- Calculus 10th Edition written by Ron Larson and Bruce Edwards 2014