

**WEEK OF:** SEPTEMBER 14, 2020

**CLASS:** Calculus

**TEACHER:** Tate

**CONTACT INFO:**

[ctate@psdl.org](mailto:ctate@psdl.org)

**OBJECTIVES:**

Students will be able to describe the meaning of Limits in Calculus.

Students will be able to simplify a rational function using the conjugate. They will then be able to find the limit as  $x$  approaches a given value.

Students will be able graph a piecewise equation using Desmos and show the limit as  $x$  approaches a given value.

Students will be able to use algebra (substitution) to find the limit of a piecewise equation as  $x$  approaches a given value.

**CLASSROOM MEETING TIMES:**

Tuesday and Friday 1:20 – 2:00

**ZOOM LINKS:**

Zoom links for synchronous time will be posted to their Calculus Team in Teams. The links will be posted the morning of the meeting or the previous evening.

**YOUR ASYNCHRONOUS RESPONSIBILITIES BEFORE ZOOM LESSON #1  
(9-15-2020):**

Students are to watch unit 1.3 Limits with Conjugates Video and do the practice problems in the video.

**YOUR ASYNCHRONOUS RESPONSIBILITIES AFTER ZOOM #1:**

Students are to complete assignment 1.3. It is due 9-17-2020 by 11:59 PM. This assignment will be graded and it must be typed in equation editor. Desmos will be used for graphs.

**YOUR ASYNCHRONOUS RESPONSIBILITIES BEFORE ZOOM LESSON #2  
(9-18-2020):**

Students are to watch unit 1.4 Piecewise Equations Limits Video and do the practice problems in the video.

**YOUR ASYNCHRONOUS RESPONSIBILITIES AFTER ZOOM #2:**

Students are to complete assignment 1.4. It is due 9-21-2020 by 11:59 PM. This assignment will be graded and it must be typed in equation editor. Desmos will be used for graphs.

**IDEAS FOR USING YOUR ASYNCHRONOUS TIME:**

Watch the video.

Work the practice problems.

Write down any questions you may have. Be sure to include the slide number.

Practice Equation Editor.

**DUE DATES:**

Assignment 1.3 Due 9-17-2020 at 11:59 PM

Assignment 1.4 Due 9-21-2020 at 11:59 PM

**TEST DATES:**

No test this week

Upcoming Test: Friday 9-25-2020

**OFFICE HOURS:**

Office hours are Monday, Tuesday, Wednesday, Thursday and Friday from 11:45-12:45.

It is a drop-in format. Students will have the link posted to their Team's page and if they have a question they can drop in and ask the question.