

Calculus Summer Work 2020

As we move into the next school year, we prepare for new challenges and experiences. However, it is important that our foundation is sound and on sure footing. Throughout the summer, you will complete a series of modules in MyOpenMath.

Returning Students:

Go to MyOpenMath.com
Login on right of screen
Locate “Courses you’re taking” list
If not listed hit “Enroll in a New Class”
Course ID: **75060**

New to CPS:

Go to MyOpenMath.com
“Register as a new Student”
Enter info using Concordia Prep email address
At bottom of form, enter course ID: **75060**

The purpose of this work is to keep you current in your math skills and to make sure you are prepared to complete standard tasks that will come up in your enrolled course for next year. After discussion with the students and teachers, the Math Department has created what we believe will be an appropriate level of work to complete throughout the summer.

The work will be organized into 2-3 week chunks in order to account for vacations, down time, jobs, personal responsibilities, and such. It is not my intention for you to struggle through this work, but if you have questions I will be available via email. You are encouraged to use online resources to review topics independently before asking for help. The schedule is as follows:

Assignment 1 – Due June 28, 2019

Function notation: This will include **graphs** and **equations** where you will have to identify values of functions, operations, and compositions.

Assignment 2 – Due July 12, 2019

Lines and Polynomials: This section will include finding the **slope** between two points, giving the **equation of a line** when given two points, and graphing lines. It will also include **factoring** and finding **x and y intercepts** of polynomials. Please use your calculators.

Assignment 3 – Due August 2, 2019

Trigonometry: This will mostly be using the **unit circle** to find exact values of trigonometric functions as well as a bit of triangle work.

Assignment 4 – Due August 23, 2019

Rational, Logarithmic, and Exponential Expressions: This will pay particular attention to discontinuities (**vertical asymptotes** and **holes in the graph**) as well as end behavior (**horizontal asymptotes**).

Assignments will be listed on the course page on MyOpenMath.com. We will maintain a Sunday night schedule throughout the summer. Assignments will close at midnight on their due dates and will not be reopened after their due dates. These assignments will be put into a single grade for first quarter next year.

If you have any further questions or concerns, do not hesitate to contact me.

Ms. T
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