

Trinity Catholic High School

Mathematics Summer Work



College Prep, Honors & AP

Mathematics

All Trinity Catholic High School students will be responsible for completing a mathematics summer assignment. Below are instructions on how to get started.

Completion of the summer assignment will be the first formative grade for Quarter 1. At the teacher's discretion, students may be required to complete a summative assessment over skills practiced in the summer assignment.

In order to receive full credit students must:

1. Complete the appropriate topics based on the course they are enrolled in.
2. Reach a SMART score of at least an 85 in each skill.

Algebra 1

College Prep: : All topics are in IXL under the Learning tab, Math 8th Grade.

- (1) Convert decimals to fractions and fractions to decimals
- (2) Add/Subtract/Multiply/Divide fractions
- (3) Solve one-step equations
- (4) Graph one-step inequalities
- (5) Write inequalities from graphs
- (6) Coordinate plane review
- (7) Powers with integer bases
- (8) Powers with decimals and fractions

PreAP: Same as above.

Geometry

College Prep: All topics are in IXL under **Learning, Math, 8th Grade.**

M: 7 - 9 & 11 - 12	One Variable Equations
V: 1 - 5	Area and Perimeter
E: 1 - 6	Square Roots
HH: 1 - 4	One Variable Statistics

There are a total of 20 topics to complete. Each topic should take no more than 30 minutes for a total of 10 hours to complete your summer assignment.

PreAP: All topics are in IXL under **Learning, Math, 8th Grade.**

E: 1 - 6	Square Roots
M: 7 - 9 & 11 - 12	Solving Equations
V: 1 - 5	Area and Perimeter
Z: 1 - 5	Slope
HH: 1 - 4	One Variable Statistics
II: 1 - 5	Two Variable Statistics

There are a total of 30 topics to complete. Each topic should take no more than 30 minutes for a total of 15 hours to complete your summer assignment.

Mathematics

Algebra 2

College Prep and PreAP:

There are 5 prerequisite skill exercises to complete (linked below). You may complete these on paper, or digitally using a note-taking app.

All work must be shown thoroughly and in the student's own handwriting to receive full credit.

[Link to assignment](#)

or copy and paste <https://tinyurl.com/yh35pnki>

Prerequisite Skills

1. Multiplying and Simplifying Polynomials
2. Factoring and Solving Quadratics
3. Exponent Rules
4. Solving Linear Equations
5. Simplifying Rational Expressions

Please reach out to Mrs. Alotta at dalotta@tchs.us if you have any questions or find yourself stuck on a particular topic. I am happy to help and/or provide additional resources.

Honors Precalculus

Honors:

There are 5 prerequisite skill exercises to complete (linked below). You may complete these on paper, or digitally using a note-taking app.

All work must be shown thoroughly and in the student's own handwriting to receive full credit.

[Link to assignment](#)

or copy and paste <https://tinyurl.com/57uv8vw3>

Prerequisite Skills

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