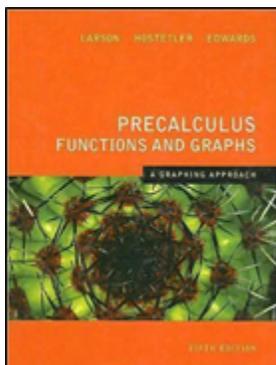


Honors Precalculus 2026.27



Instructor: Dawn Brothers

Email: dawn.brothers@scholarsguild.net

Extended Sessions: Aug. 6, 2026, Dec. 10, 2026 and May 13, 2027

Supply Fee: \$130 (Due May 5, 2026) *covers course video instruction

Extra Help Sessions: I encourage students to form study groups. If I sense the need for an extra help session, I will offer one as needed at the rate of \$15/hr.

Prerequisites: Algebra 1, Geometry, Algebra 2

Minimum class size: 10

Monthly Tuition - \$60 / month

(9 equal payments August - April)

Total Yearly Tuition - \$540

Course Description

This is a one-year, honors-level, college preparatory class for students who have successfully completed Geometry and Algebra II. This course provides in-depth coverage of trigonometry, logarithms, and upper-level algebraic concepts. We will use *Precalculus Functions and Graphs, A Graphing Approach, 5th Edition* by Larson, Hostetler and Edwards, online videos, and weekly classroom instruction dedicated to teaching new material and answering student questions. This course will help prepare students for college entrance exams such as the ACT and SAT as well as lay a solid foundation in preparation for Calculus.

Primary Course Text

Precalculus Functions and Graphs, A Graphing Approach, 5th Edition by Larson, Hostetler and Edwards (Houghton Mifflin, 2008) ISBN-13: 978-0618851508

Additional Required Resources

Solutions Manual: Precalculus With Limits A Graphing Approach Study And Solutions Guide, 5th Edition by Larson, (Houghton Mifflin Company, 2001), ISBN-13: 978-0618851874

*Online instruction will be posted for each lesson in Google Classroom

Supplies

- Graphing Calculator: TI-83 Plus, TI-83, TI-84 Plus or TI-84 Plus Silver
- Internet Access (required for viewing online videos)
- Notebook w/ 4-Dividers: Video/Class Notes, Problem Sets, Tests/Quizzes, Extra Paper
- Graph Paper in class each week
- College Ruled Notebook paper
- No. 2 Pencils
- Ruler with English and Metric Units

Course Expectations

Class Time- Each week students will be introduced to new concepts during class as well as have the opportunity to ask questions from the previous week's assignment. Occasionally we will have quizzes in class. These are usually announced ahead of time. The problem sets will be assigned based on the lessons covered in class. I do not collect the homework each week. Homework is generally collected on the day that a test is collected.

At Home - Because we only meet once a week, it is vital that adequate time is spent on your lessons. The student should watch the instructional videos and read each lesson before attempting the problem set. Any new vocabulary should be studied and understood as well. Please plan on spending at least 1-2 hours a day on your math lessons. Some days may require more and some less. As with any new skill, practice is a necessity! Daily work will be expected to be completed before the next class meeting. Please do not get behind on your lessons. You will have approximately 2 lessons to complete each week. Some weeks you will be assigned a test which will be taken at home in addition to your lessons. Please plan accordingly. By the end of the year, you will have worked at least 150 hours on math for the year, earning one credit on a transcript for Honors Precalculus with Trigonometry.

Extra Help - In this course, students will be encouraged to create study groups among their peers. **I will offer help sessions in my home as needed at a rate of \$15 per session.** Students may contact me during the week via text, email, or phone call to ask questions as well. I offer tutoring sessions at a rate of \$35 per hour.

Assessments

Homework (at home):	15%
Quizzes (in class):	15%
Tests (at home):	50%
Mid-Term (in class):	10%
Final Exam (in class):	10%

Summer Assignments

There will be a summer assignment due on the first class day. The assignment will be sent via FACTS email by mid-July. *It will take about **two weeks** to complete the assignment, so do not wait until the week before school starts to begin.*

Teacher Responsibility

Teach New Lessons, Go Over Questions from Previous Assignments, Practice New Concepts, Check Homework Progress, Grade Quizzes, Grade Tests, Issue Progress Reports, Clearly Communicate Progress with Parents

Student Responsibility

Plan to spend some time on math every day, 5 days a week. Listen in Class, Participate in Discussions, Complete All Assignments, Study for Tests.

Parent Responsibility

Most of the responsibility lies in being prepared. Each lesson should be read by the parent and watched online. This will help you answer questions as they arise. If you are uncomfortable with the material, I would encourage you to seek assistance through watching the lessons or asking other knowledgeable resources.