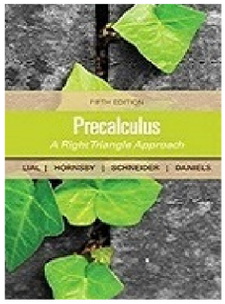
WEST HARPETH CHRISTIAN TUTORIAL

Precalculus

Tutor:
Tom Carson
tcarson@westharpeth.org

Prerequisites:

- Geometry
- Algebra 2
- Students scoring a B or better in prerequisites taken at WHCT are not required to take a placement test.
- All other students must pass a placement test prior to registration.



Course Description

Precalculus is an advanced math course serving as a vital bridge between Algebra II and Calculus.

In many cases, Precalculus is the first exposure students have to higher mathematics and will explore familiar topics in more thorough detail, including function analysis, trigonometry, vectors and polar form, and matrix algebra, counting theory and binomial theorem.

Additional topics may include nonlinear systems, linear programming, and rotating axes with conic sections.

Books & Supplies

- ***Precalculus***, 5e, Lial, Hornsby, Schneider, Daniels
  - ISBN - 9780321783806
- binder with tabs labeled Notes, Homework, Study Materials, Assessments.
- Loose-leaf paper & Loose-leaf graph paper
- pencils, blue pen, red pen
- high-quality metal compass (not plastic)
- protractor
- ACT-approved graphing calculator
  - TI-84+ preferred
- MathXLforSchools access code (provided via lab fee)

Commitment

- This course meets twice a week.
- At the beginning of each quarter, students will receive the assignments and due dates. Assignments will be a mix of MathXL and textbook exercises. For each textbook exercise, students are expected to show appropriate work written neatly (the work should mirror the examples worked in class).
- Students are expected to check answers to odd-numbered textbook exercises in the back of the textbook.
- Even-numbered textbook exercises will be graded for accuracy.
- Unit tests will be administered at home.
- Specific expectations provided by Mr. Carson.

A typical class will look like...

A typical class will begin with a warm-up problem that students are to solve. The warm-up problem is designed to review foundational ideas and motivate the new lesson. After working through the warm-up problem, we will go over the homework assignment focusing on the even-numbered problems (students do not have access to the answers for those exercises). We will use the rest of the time to dig deeper into the new lesson, solving example problems like those assigned in the homework.