Hey there, future IB Math Analysis and Approaches Student!

I am thrilled to congratulate you on accepting the challenge of taking International Baccalaureate Mathematics Analysis and Approaches Standard Level Year 1! This is an exciting opportunity to explore the fascinating world of math and push your limits.

You are about to embark on a rigorous two-year course that covers topics in Numbers & Algebra, Functions, Geometry & Trigonometry, Statistics and Probability, and Calculus. By the end of your senior year, you will take an IB Math exam certifying that you have mastered the content of a college-level curriculum.

In all transparency, IB Math is not a piece of cake. It's a demanding course that requires hard work, dedication, and a lot of brainpower. That's why I have prepared this packet to give you additional information about the course and to help you prepare to be successful in IB Math SL. My goal is to help you grow as a mathematician as much as possible over the next two years. I will be your guide, but it is up to you to put forth the consistent effort necessary to succeed in this course.

To kickstart your journey, I have developed a 3-part summer assignment that will help you refresh some skills necessary for success in this course. Don't worry; everything in this assignment should be a review for you, and I expect it to take a total of approximately three hours of work. But wait, there's more! Your summer assignment is due on the first day of class, and we will take a quiz on the material included during our second week of class. So, make sure to master the material in this packet to ensure your success on our first quiz. If you have any questions or concerns, please don't hesitate to email me. I am here to support you every step of the way.

Before we say goodbye, I want you to remember to have a relaxing, enjoyable summer. You deserve it! I look forward to studying mathematics with you next year!

Yours in Support,

Westlake High School Mathematics Department

WESTLAKE
IB WORLD SCHOOL

Assignment Instructions

Assignment #1 – IB Math Algebra Refresher Part 1 – Click Here

- Show work clearly and completely on separate paper for each exercise. * No calculator allowed *

Assignment #2 – IB Math Algebra Refresher Part 2 – Click Here

- Show work clearly and completely on separate paper for each exercise. * No calculator allowed *

Assignment #3 – Math in the Real-World Essay –

- Math is in everyday life whether we realize it or not. Being able to pay attention to the world around us and identifying how math plays a part in it all will allow us to explore math in new ways deeply.

- Choose an article from below and analyze the various ways math is utilized. As you are reading, analyze the unique way math is being implemented and think outside of the box about the ways you have observed math being used within the world.

    - Article 1
    - Article 2
    - Article 3
    - Article 4

- The essay should be at least two pages long, double-spaced, and should be an in-depth analysis of the utilization of math around us.