

THE SCHOOL DISTRICT OF PHILADELPHIA  
**Philadelphia High School for Girls**  
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**Math Summer Assignments 2022  
Introduction, Objective & Questions**

The purpose of a summer assignment in math is to prepare you with the pre-requisites for your math class(es) in the 2022-23 school year. We are not asking you to learn content that will be covered in class, but review content from previous classes that will ensure your success in your new class.

We at the Philadelphia High School for Girls believe that each and every one of our students is capable of learning and mastering mathematics. With a growth mindset, you realize that your hard work will increase your ability to achieve at high levels in math class. We know that making mistakes is an important key in learning mathematics, so please don't be discouraged if you have to attempt an assignment more than once. Our goal is to give you the mathematical skills and tools to start the year off right. Please don't wait until the end of August to begin your math summer assignment.

This year, all of the summer assignments except IB Math are on Khan Academy. You have been assigned the practice exercises. Each exercise has at least one video to help you learn or review the skill. They are not required, but recommended when you are stuck or unable to complete the exercises with 70% or greater correct. When that happens, you must actually "Try Again" with the exercise to improve your score.

Your summer assignment is due on September 2, 2022. A score of 70% or better on an exercise will give you all of the points for that topic. The points earned on your summer assignment will be your first quiz grade for your class. The maximum score on the quiz is 110.

While submitting written work is not required to gain your summer assignment quiz credit, it is recommended that you write your work out when completing multi-step problems. This will allow you to document your thinking and catch mistakes.

You should join the Khan Academy class for the course you are taking in the 2022-23 school year. Listed below are the specific courses.

New 9<sup>th</sup> graders: **Algebra 1**

10<sup>th</sup> graders: **Algebra 2**

10<sup>th</sup> graders doubling up in Algebra 2 and Geometry: **Algebra 2**

10<sup>th</sup> graders taking Geometry: **Geometry**

11<sup>th</sup> graders: **Geometry**

11<sup>th</sup> or 12<sup>th</sup> graders taking IB Math: **IB Math**

11<sup>th</sup> graders doubling up in Geometry and Pre-Calculus: **Geometry**

11<sup>th</sup> graders taking Pre-Calculus: **Pre-Calculus**

12<sup>th</sup> graders: **Pre-Calculus**

12<sup>th</sup> graders taking Statistics: **Statistics**

12<sup>th</sup> graders taking Pre-Calculus and Statistics: **Statistics**

12<sup>th</sup> graders taking AP Calculus: **AP Calculus**

Please contact Ms. Michini, Department Chair, at [cmichini@philasd.org](mailto:cmichini@philasd.org) with any questions or concerns.