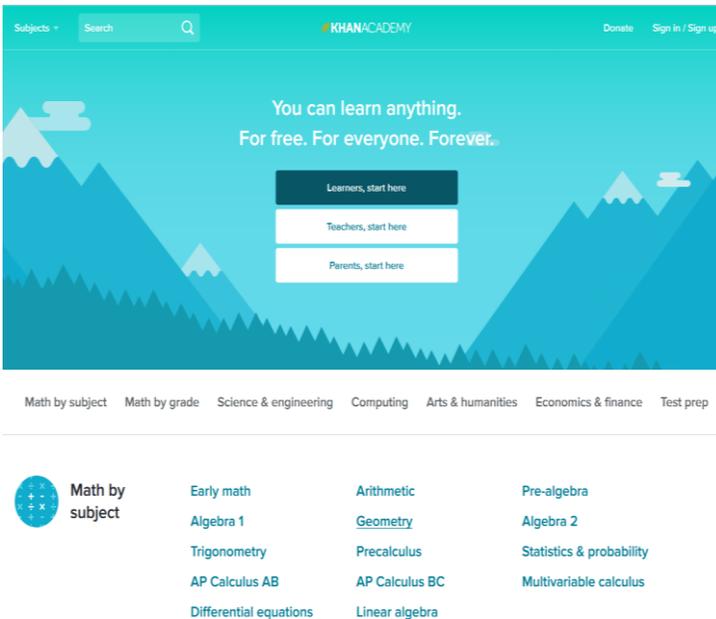


# Honors Geometry Summer Work

## Khan Academy Practice

Welcome to Honors Geometry. Over the summer you will be working on KhanAcademy.org to reinforce the knowledge you have learned in your previous math course. You will focus on completing **practice problems** based on what you learned in Algebra 1. There will be 14 assignments that are designed to take less than 20 minutes each. A good rule of thumb will be to complete 2 assignments each week. Do NOT wait and try to complete them all at once. These will count as **homework** assignments and you will be **assessed** on material at the beginning of the school year.



### What is Khan Academy?

It is “a personalized learning resource for all ages” at any time. You can think of it as a free tutor available 24/7 with videos and hints. You also get instant feedback on if you are having success, or you can use a hint or video to help you solve the problem.

### Why practice math over the summer?

Math can be compared to playing a musical instrument or a sport, with more practice the better you become. As you work on Khan Academy skills assigned by your coach, you will be better prepared, and find more success and confidence when you are asked to complete these skills in class.

### How do I complete the Math Summer Work?

- Go to [classroom.google.com](https://classroom.google.com) and join the 19-20 Honors Geometry class by using your Stoughton Schools account and the code: **6b448c**
  - This must be completed by **Tuesday June 11, 2019**
- After you have joined google classroom, you will be invited to join a Khan Academy class on Wednesday June 12<sup>th</sup>. Please accept this invite in your email by **Sunday June 16<sup>th</sup>**.
- On June 20<sup>th</sup> your summer work will be assigned through Khan Academy.
  - Make sure to log-in with Google every time so your progress is saved
- If you signed up before your teacher’s deadline, then you should see the skills “assignments”
- If you missed the deadline and signed up after? You can still complete the work!
  - Go to [KhanAcademy.com](https://KhanAcademy.com)
  - Click “Sign-In/Sign-Up” in the upper right corner
  - Copy and paste the topics below into the Khan Academy search bar then look for the link that says (**practice**).



Log in to Khan Academy with



Google

## Checklist of exercises to complete:

- Slope from two points
- Horizontal & vertical lines
- Graph from linear standard form
- Systems of equations with elimination
- Systems of equations with substitution
- Multiply & divide powers (integer exponents)
- Powers of products & quotients (integer exponents)
- Simplify square-roots (variables)
- Factor polynomials: special product forms
- Graph quadratics in vertex form
- Quadratics by factoring
- Completing the square
- Quadratic formula
- Complementary and supplementary angles (visual)

## How many problems should I do?

Each topic will consist of between 3 and 10 problems to complete. **You must earn a 100% on each topic.** You can use the “Watch a video or use a Hint” button at the bottom of the page at any time. You can watch as many videos as you would like to help you. If you do not get 100% the first time, don’t worry, just try again.

## What if I need help or can’t remember how to do one of the topics?

Watch the videos or use a hint! You also can contact Ms. Havener and Ms. Fidler through google classroom or email. Try your best, but contact your teacher sooner rather than later if you are having trouble. Your teacher is able to monitor your progress and attempts which will allow her help you with these skills before you use them frequently in class.

## Can students use KhanAcademy on their smartphone/iPad/internet connected device?

Yes, students can go to the website and can search for the topics, or they can even download the Khan Academy App!

## Is there any way for parents/guardians to see student progress?

Absolutely, parents and guardians are welcome to create an account and the student can use a parent’s email address to add them as a coach. Then they can see what their child has mastered and what they need more help with!

**Don’t wait until the end of the summer to do them all! Two topics a week is the recommendation.**

Good Luck! ☺

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