

Summer Math Review for Students Entering Geometry
The Christian School at Castle Hills

I am so excited to be serving as your Geometry teacher this coming school year. To ensure that you are equipped with pre-requisite knowledge, and to help you avoid the “Summer Slide” that often comes with a summer away from school, I am asking that all students complete the attached summer math homework. **This assignment is required and will be due at the beginning of the school year. It will serve as your first TWO quiz grades.**

Please do not try to complete the packet all at once, but rather pace it out over the course of the summer to keep your mind sharp and working all summer long.

For each section, **complete the problems on a separate sheet of paper** with the title and section number clearly marked at the top of your page. **Show all work in pencil** and box in your answers or provide an answer column to assist me in grading. When you have completed a section, check your answers against the provided answer key and then **correct any problems that you missed in grading pen or pencil**. You will get full credit for corrected answers. The goal is to make sure you are comfortable with each topic. You may work the sections in any order, but **please be sure to turn in your packet with the pages in the order given**. If you get stuck, I have linked reference materials and notes for each section. If you need or want additional practice, you can go to the IXL additional practice link.

It is my hope that this packet will help you to enter your Geometry Math coursework with confidence. If you have any questions about the assignment, feel free to email me. I will be checking email once a week over the summer. You can also reach out to the secondary office if you need a quick reply.

In His Service,

Ms. Patricia Harrison
Secondary Mathematics
pharrison@castlehills.school

Summer Math Review for Students Entering Geometry

The Christian School at Castle Hills

Packet Topics and Recommended Pacing:

June: Basics for Geometry

Week 1: [Solving equations](#)

→ Resources/Notes:

- ◆ [Notes on solving equations](#)
- ◆ [Video on Equations](#) with optional additional practice

Week 2: [Simplifying Square Roots](#)

→ Resources/Notes:

- ◆ [Radical Notes](#)
- ◆ [Video on Radicals](#) with optional additional practice

Week 3: [Solving Proportions](#)

→ Resources/Notes:

- ◆ [Proportions Notes](#)
- ◆ [Video on Proportions](#) with optional additional practice

Week 4: [Scientific Notation Practice](#)

→ Resources/Notes:

- ◆ [Scientific Notation Cheat Sheet](#)
- ◆ [Video on Scientific notation](#) with optional additional practice

July: Factoring

Week 1: [Factoring to Solve](#)

→ Resources/Notes:

- ◆ [Factoring Notes](#)
- ◆ [Video on Factoring](#) with optional additional practice

Week 2: [Factoring Hard](#)

→ Resources/Notes:

- ◆ [Factoring Notes](#)
- ◆ [Video on Factoring](#) with optional additional practice

Week 3: [Factoring Using Quadratic Formula](#)

→ Resources/Notes:

- ◆ [Quadratic Formula Notes](#)
- ◆ [Video on Quadratic Formula](#) with optional additional practice

Week 4: [Pythagorean Theorem](#)

→ Resources/Notes:

- ◆ [Notes on Pythagorean Theorem](#)
- ◆ [Video on Pythagorean Theorem](#) with optional additional practice

August: Geometry

Week 1: [Area and Circumference of Shapes](#)

→ Resources/Notes:

- ◆ [Notes on Area and Circumference](#)
- ◆ [Video on area and circumference](#) with optional additional practice

Summer Math Review for Students Entering Geometry
The Christian School at Castle Hills

Week 2: [Area of Squares Parallelograms and Rectangle](#)

Resources/Notes: [Notes on Area](#)

→ [Notes/Cheat Sheet on Area](#)

→ [Video on Area part 2](#) with optional additional practice