

The Christian School at Castle Hills
Math Summer Work 2020
Incoming 8th Grade Algebra I PreAP Students

Students and Parents,

The Christian School at Castle Hills offers Algebra 1 to 8th grade students. Signing up for Algebra 1 in the 8th grade essentially means you will be skipping 8th grade math and will be enrolled in an honors high school course. The summer math homework is designed to make sure that you have developed a firm foundation of prerequisite concepts for Algebra 1. **It is REQUIRED as part of your Honors Contract and will serve as your first TEST GRADE of the year.** If you are planning to take Honors Algebra 1 or think you might want to take Algebra as an 8th Grade Student, you must complete the assignments.

We will be using an online program called IXL for summer homework this year. Your account will be linked with your Algebra teacher's account so that she can access your progress and scores. You have already been working in IXL, and your account information will not change.

Go to: www.ixl.com/signin/castlehills

Login: first initial last name

Password: newpass123 (unless you have changed it)

If you have any questions about logging in, please call or email me. Once logged in, go to the 8th Grade Math Section and complete the assigned objectives to a smart score of 80 (see below). You may have already worked through some of these sections during the school year. The program should continue to allow you to work in the areas during the summer.

You will want to spend a little bit of time each week working through the assigned skills. I recommend working through 3-4 sections a week. Your score will be a weighted average based upon the average "Smart Score" of all the assigned sections. **You only need to work each section to a Smart Score of 80 to get full credit for the section.**

DO NOT save it all to the end of the summer! The table on the back of this page will serve as a checklist and should be turned in at the beginning of the school year. If you do not have access to a computer or internet at home, I recommend visiting the San Antonio Public Library. IXL is also accessible on any smartphone or tablet.

Happy Mathing!

Ms. Courtney Bryand

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**Incoming 8th Grade Algebra I PreAP Students
Summer IXL Skill Checklist**

Objective	Topic	Specific Skill	Date Completed	Parent Initials
C.3	Operations with Integers	Add and Subtract Integers		
C.7		Multiply and Divide Integers		
C.8		Evaluating Numerical Expressions Involving Integers		
E.2	Operations with Rational Numbers	Add and Subtract Rational Numbers		
E.5		Multiply and Divide Rational Numbers		
F.1	Exponents and Roots	Understanding Exponents		
F.4		Exponents with Negative Bases		
F.6		Understanding Negative Exponents		
F.7		Evaluating Negative Exponents		
F.8		Multiplication with Exponents		
F.9		Division with Exponents		
F.11		Power Rule		
F.15		Positive and Negative Square Roots		
V.5	Expressions and Properties	Evaluate One-Variable Expressions		
V.6		Evaluate Multi-Variable Expressions		
V.13		Multiply using the distributive property		
V.15		Add and Subtract Like Terms*		
V.16		Add and Subtract Linear Expressions		
W.7		Solve One-Step Equations*		
W.8		Solve Two-Step Equations		
W.9		Solve Multi-Step Equations		
W.10		Solve Equations involving like terms		
W.11		Solve Equations with variables on both sides		
X.4	One-Variable Inequalities	Solve One-Step Inequalities		
X.5		Graphing One-step inequalities		
X.6		Solve two-step inequalities		
X.7		Graph two-step inequalities		