



# Summer Math

Dear incoming 9th Graders entering Algebra 1 in the High School:

Attached you will find your list of skills to practice this summer.

**Please complete all skills on the attached sheet.**

**Please note - IXL cannot be started until after July 5. All accounts will be rolled over and previous work will be deleted.**

Please follow these directions:

- Log in to IXL using your username and password. Remember you must log in from the [cliffsidepark.edu](http://cliffsidepark.edu) website. Do not Google IXL and attempt to log in. It may not work. If you do not have your username and password, or have any questions, please contact [mclarke@cliffsidepark.edu](mailto:mclarke@cliffsidepark.edu).
- Go to the **Algebra 1 Skills Tab** and complete the skills as indicated on the attached sheet.
- In order to achieve mastery, you must obtain a score of 85 or better. You may do as many problems as necessary - no limits!
- Skills must be completed before the first full day of school.
- You will be tested on these skills in the first full week of September.

Good luck and see you in September!

9th Grade Summer IXL topics for students entering Algebra 1

**Go to the Algebra 1 tab and complete the following assignments:**

**Variable expressions and equations**

I.5 Write variable equations

**Solve equations**

J.3 Solve one-step linear equations

J.4 Solve two-step linear equations

J.5 Solve advanced linear equations

J.6 Solve equations with variables on both sides

**Linear functions**

S.3 Find the slope of a graph

S.4 Find the slope from two points

S.7 Slope-intercept form: graph an equation

S.8 Slope-intercept form: write an equation from a graph

S.10 Slope-intercept form: write an equation from a table

S.12 Linear equations: solve for y

**Exponents**

V.4 Multiplication with exponents

V.5 Division with exponents

V.7 Power rule