

# Honors Geometry 8 Summer Assignment

## Textbook Information

**Title:** Geometry: A Common Core Curriculum

**Authors:** Ron Larson and Laurie Boswell

**Publisher:** Big Ideas Math

**ISBN #:** 978-1-60840-839-9

**Purchasing the text:** The textbook has been ordered through Wofford's bookstore. However, the textbook has been used at SDS for the past few years, so other SDS students may be able to sell it to you. The book may also be found online.

## Summer Assignment

See below

May 2018

Dear SDS Student,



There are many different actions you can take to ensure success in your courses, but the key to success in a math class is practice. As some have said, "Math is not a spectator sport."

To provide practice, we will use a website called IXL in Honors Geometry next year. IXL is a comprehensive math review site with an unlimited number of practice questions in thousands of skills, and it can be accessed using the Internet.

To get started on your computer, follow these steps:

1. Go to <https://www.IXL.com>
2. Enter your username and password in the upper right corner and click the right arrow button to sign in. You should already have your username and password. It is the same one you have used in Algebra I.
3. Click on *Math* at the top of the page and navigate to the class.
4. Find a skill to practice by selecting a specific skill to practice from the list of skills. You can place your mouse over any skill to see a sample question and click on the link to begin.

IXL is designed to help you learn at your own pace. The website is adaptive and will adjust to your demonstrated ability level. The site also saves all of your results, so you can monitor your progress anytime by clicking on the *Reports* at the top of the page.

**This summer, your assignment is to attain a SmartScore of 85 for each assigned topic. See below for assigned topics (bullet points).** Grades will be awarded based upon your SmartScore *in each topic*.

Your summer assignment will count as a quiz grade for the first quarter. Each topic will be worth 3 points. Once you obtain a Smartscore of 85, you will receive 3 points. If you do not reach a Smartscore of 85, you will receive no points (even if you are close to 85). If you choose to continue to a smart score of 100, you will receive 3.2 points. There are 25 assigned topics, so a perfect score on the summer assignment will be 75/75 but if you achieve 100 on all 25 topics, you could earn 80/75!

If you have already completed one of the assigned topics to a Smartscore of 85, you must click on the topic and answer at least one question correctly in order to get credit

for the assignment. If you do not do this, I will not see that you have completed the topic because it will not be included in the the summer window which runs from May 23 until the first day of school.

The purpose of these summer problems is to help you retain the mathematical concepts and procedures that you have learned in previous classes. With this practice, we can “hit the ground running,” so to speak, at the start of the school year in August. In addition, we plan to use the IXL website as a supplement to our coursework throughout the school year, so please do not lose your username and password.

As always, please let me know if you have any questions. I can be reached by email at [annelouise.greer@sdsgriffin.org](mailto:annelouise.greer@sdsgriffin.org).

I look forward to having you in class next year!

Best,

Mrs. Anne Louise Greer

### **Assignment**

Earn a SmartScore of 85 from each bullet point by **August 22** (the first day of school).

#### **From the “Algebra 1” Course Heading**

- B.2: Evaluate numerical expressions involving integers
- B.4: Add and subtract rational numbers
- B.5: Multiply and divide rational numbers
- B.6: Evaluate numerical expressions involving rational numbers
- H.2: Distributive property
- S.2: Find the slope of a graph
- S.3: Find slope from two points
- S.18: Equations of horizontal and vertical lines
- S.20: Point slope form: graph an equation
- S.22: Point slope form: write an equation from a graph
- S.21: Point slope form: write an equation

#### **From the “Geometry” Course Heading**

- A.1: Ratios and proportions
- A.3: Properties of exponents
- A.4: Simplify radical expressions
- A.5: Write variable expressions

- A.6: Solve linear equations
- A.7: Solve linear inequalities
- B.1: Lines, segments, and rays
- B.2: Lengths of segments on number lines
- B.3: Additive property of length
- B.5: Congruent Line Segments
- C.1: Angle vocabulary
- C.2: Angle measures
- C.3: Identify complementary, supplementary, vertical, adjacent, and congruent angles
- C.4: Find measures of complementary, supplementary, vertical, adjacent, and congruent angles