

Dear Student,

We are excited to write to you about your first year at Oswego High School. One of us will be your Honors Geometry teacher. Together, we will explore the world of shapes and logic. It will be challenging and rewarding if you are willing to work hard and if you are disciplined. In order to help you be successful, we have included a packet of work covering topics you should have already mastered in Algebra this past year. It is our expectation that you will be able to use these skills in Honors Geometry without any reinstruction. **The first full day of classes, you will be taking a test on this material to ensure your mastery of the topics. There will be no review of the material, so be ready!**

The topics to be mastered are:

- solving linear equations
- solving systems of equations
- simplifying radicals
- solving quadratic equations

Each section includes some brief instruction along with problems. The collected assignment should show your work on a separate paper with checks of answers. Each section should start on a new piece of paper. The assignment should be stapled together and **not** include the packet. It will be collected on the first day of class. It is not a short assignment. We encourage you to work with your fellow students on this assignment. On the back of this letter, you will find a coversheet for your summer assignment along with a checklist. Once the assignment and the checklist are completed, you and your parents/guardians should sign this coversheet and attach it to your assignment as the first page.

This is the list of supplies that you are expected to have on that first day of the school.

Pencils	Graph Paper
Colored Pencils	Protractor
Three ring binder (1" or larger)	Ruler
Dividers for the binder ( $\geq 5$ tabs)	Compass
Loose leaf paper	Scientific Calculator - (TI-83+ or TI-84+ preferred)

The math department sells compasses for \$3.00 that are of better quality for the price than what you can purchase in stores. These can be purchased on the first day of class from your teacher. In addition, a scientific calculator that has trigonometry functions is adequate for this course, but you will need to buy one of the TI graphing calculators for your next year's math course. As teachers will be using a TI in class and will be showing you "tricks" available with these calculators so we strongly recommend you have one for Honors Geometry. If you plan on purchasing one of these, the best time to do so is 2 to 3 weeks before the start of school when you can get some good back-to-school sale prices at Walmart, Target, OfficeMax, Staples, Office Depot, Best Buy, or similar stores. We recommend the TI-84c or the TI-84ce. The last few years the sale price was around \$89.

If you have any questions, please feel free to email Mr. Pelzer at [gpelzer@sd308.org](mailto:gpelzer@sd308.org) or Ms. Rehak at [trehak@sd308.org](mailto:trehak@sd308.org).

We are truly excited about next year. We are going to stretch your brain. We enjoy Geometry, and we hope that you will too. Have a great summer and see you in August!

Ms. Rehak and Mr. Pelzer

# 2018 Honors Geometry Checklist

Name \_\_\_\_\_

Teacher \_\_\_\_\_ Period \_\_\_\_

## Summer Assignment:

Sections	Labeled Section	Work Shown	Answers Checked	Section Done
1. Solving Linear Equations				
2. Solving Systems of Equations by Linear Combination (Elimination)				
3. Solving Systems of Equations by Substitution				
4. Simplifying Radicals			skip	
5. Solving Quadratic Equations by the Quadratic Formula				
6. Solving Quadratic Equations by Factoring ( $a = 1$ )				
7. Solving Quadratic Equations by Factoring ( $a \neq 1$ )				
8. Solving Special Cases of Quadratic Equations				

## Test Preparation – practice tests available online. (optional – you do not need to complete):

Practice Test	Strong Areas	Weak Areas
Practice Test 1		
Practice Test 2		

## Supplies:

- |   |   |
|---|---|
| <input type="checkbox"/> Pencils                          | <input type="checkbox"/> Protractor   |
| <input type="checkbox"/> Colored Pencils                  | <input type="checkbox"/> Ruler  |
| <input type="checkbox"/> Three ring binder (1" or larger) | <input type="checkbox"/> Compass  |
| <input type="checkbox"/> Dividers for the binder          | <input type="checkbox"/> Purchasing in class on the first day (\$3)           |
| <input type="checkbox"/> Loose leaf paper                 | <input type="checkbox"/> Scientific Calculator - (TI-83+ or TI-84+ preferred) |
| <input type="checkbox"/> Graph Paper                      |   |

## Assignment Completed

### Signatures:

X \_\_\_\_\_ Student

X \_\_\_\_\_ Parent/Guardian

Summer 2018