

Welcome to Honors Geometry 2018

Enclosed is your summer assignment for next year's course. Please understand that this is not a punishment. In reality, it is an opportunity for you to review selected topics from Algebra One that your next course assumes you are proficient at and to get a jump on some basic geometric terms.

Your summer assignment:



- ☞ Read and do the examples on the pages listed (see back).
- ☞ To get a new copy of this packet go to nwr7.com, click on high school drop down & find math summer assignments once you are on that page find your appropriate class (Honors Geometry). You should have links to book packet, the vocab list, & the assignment sheet. All the same items as in this packet.
- ☞ Use **white lined paper** to do the problems and use graph paper and a ruler to draw the graphs. Do each assignment on a **separate** piece of paper that is labeled with the page number and dated at the top.
- ☞ Record all vocabulary on a separate piece of paper to be entered in your vocabulary section of your notebook. Put all vocab in this section before you come to school. Mark the chapters and sections.
- ☞ Make sure you use pencil for the examples, **ink will not be accepted!**
- ☞ Your summer assignment with the vocabulary will count for 5 homework checks and will be collected the first day of class.
- ☞ The **third day (or so...) of school, you will have a test** on the summer assignment material. It should be all review!!! Two class days is not enough time to re-teach the information in the packet. It is your responsibility to come to school on the first day with only the questions that you could not work out on your own.

For the first day of class:



- 📖 Have your summer **assignment in order**, stapled and ready to turn in.
- 📖 Solely for Honors Geometry, have a three ring **binder ready** with 3 dividers (one section for vocabulary), white lined paper and graph paper.
- 📖 Bring your **graphing calculator**. We recommend the TI -84, T1-84 Plus or T1-83.
- 📖 Bring a protractor, a compass (plastic ones work well), your **pencils** (not pen!) and a ruler.

Hopefully, this will get us off to a great start and lead us to an enjoyable and rewarding school year!

May 2018

Your textbook can be accessed through this copied packet. The following assignments and vocabulary will be collected the first day of school. Write all definitions, vocabulary, and formulas on separate paper from your examples. Any orange boxes (will not be colored on your packet) should go in vocab. Draw a picture for all vocabulary where appropriate. **Show all work!!! All year, if it goes in your calculator, it goes on the paper.** Pay attention to the problem numbers that are listed.

Read pg 28-32 Sec. 1.1 Building Blocks

Write vocab in vocab section pg. 30-32

Do pg. 33 #2 -34

Read pg. 36-37 Midpoint

Write definition and formula in vocab

Do. Pg. 37 #1-8

Read pg. 38-42 Sec. 1.2 Angles

Write all vocab in vocab section with pictures

Do all investigations and read examples

Do pg. 42 # 1-38 & 44

Read pg. 47-49 Sec. 1.3 Definitions

Do all investigations, write vocab in vocab section, and read examples -
be sure and define Parallel and perpendicular with their symbols.

On page 49, you are asked to define the words right angle, acute angle and obtuse angle. Do not look up these words. Write the definition by looking at and comparing the pictures on that page.

Read pg. 54-55 Sec. 1.4 Polygons

Read example & write vocab in vocab section

Do pg. 56 # 1-16

Read pg. 133-134 Slope

Read all examples and write vocab in vocab section

Do pg. 134 # 1-10

Read pg. 165-166 Slope Parallel & Perpendicular

Read all examples and write vocab in vocab section

Do pg. 167 # 1-6- be sure and show the slopes

Read pg. 210-211 Writing Linear Equations

Read and write vocab in vocab section

Do pg. 212 # 1-11

Read pg. 410-413 Sec. 8.1 Area of Rectangles and parallelograms

Read section- put definition of area, formulas for area of rectangle and formula for area of parallelogram in vocabulary section-you do not need to do the investigations -just read them

Do pg. 413-414 # 1-19

Put all vocabulary words **with appropriate pictures** in your vocabulary section of your notebook.

Record each section of vocab on a separate piece of paper. Label the top clearly with the section number and title.

Do all exercises on a separate paper from vocab. Clearly label the top of each page.