

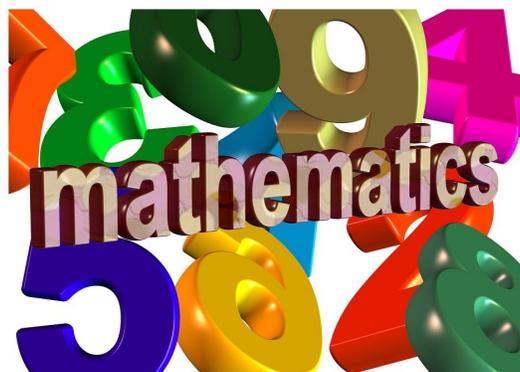
Ms. Brainerd's Algebra and Geometry SYLLABUS

COME TO CLASS PREPARED

- Algebra or Geometry Textbook
- Pencils (No. 2 or mechanical)
- Completed homework in your Spiral notebook (provided)
- Math Journal (graph or regular lined composition book)
- Calculator - (Please provide your own calculator because I cannot share my supplies with you. A simple scientific calculator like the TI-30X IIS Solar Scientific Calculator is good (about \$10-15 at Amazon, Walmart, or Target).
- ***NO PENS!**

CLASS GUIDELINES

1. BE ON TIME and READY TO WORK HARD.
2. COMPLETE your HOMEWORK daily.
3. ASK QUESTIONS when you don't understand.
4. REVIEW concepts at home.
5. STUDY for TESTS.
6. MAINTAIN a POSITIVE ATTITUDE.



GRADING

Students' grades will be based on tests, quizzes, homework, and class/online participation.

HOMEWORK

Written homework is completed and kept in the spiral notebook. It is given a completion grade daily, provided that you have completed/attempted the entire assignment IN PENCIL, you have **shown your work**, and you have put forth 100% effort. *Assignments in PEN will not be accepted.*

You may be asked to complete online assignments through MobyMax, Khan Academy or other online platforms. These will also be graded for completion.

Homework assignments can be found on Google Classroom.

QUIZZES/TESTS

QUIZZES - You will take several quizzes throughout each chapter.

TESTS - You will be tested at the end of each chapter. It is important to study by reviewing your homework and your notes and by completing the practice tests or chapter reviews provided in your textbook.

CLASS PARTICIPATION TAKING NOTES

Your math journal will be essential to your success in math class. I will frequently provide you with notes and strategies so that they are clear and concise. Math journals will be reviewed periodically.

PARTICIPATION - “50 Minutes of Math”

We cover a lot of material this year. You need to be ready to work from the moment you enter the room. Your participation during math class is vital in helping you understand and communicate concepts using math language. During all activities, you are expected to stay on task and be ready to discuss the math problem as a class.

CLASS STRUCTURE

Each class will be structured in approximately the same way, consisting of four parts:

WARM-UP is a problem or set of problems for you to complete at the start of class. The purpose of these problems is to allow you to shift gears into thinking about math.

HOMEWORK REVIEW is exactly that. We will review a few of the homework problems from the previous night. I strongly encourage you to ask questions about any of the problems you didn't understand. Then, during Written Practice, I will work one-on-one with you on the problems you were stuck on.

The **LESSON** is where the new material for the day is presented. Several examples will be given and I will use a variety of ways to present the new concepts. After the lesson, you will work on the Lesson Practice, either from the book or an activity/resource I plan. These are a short series of problems directly related to the lesson.

Finally, we move into **INDIVIDUAL PRACTICE (classwork)**. We may work several problems together first, but this is where you get to show me what you know! During this time, I will be allowing you to struggle and work through the problem, because this is where real learning takes place! Don't worry! I will be there to offer

help. This is also the time for me to help you with last night's homework, if you had questions.

SHOWING YOUR WORK

Ah, the age-old question: DO I HAVE TO SHOW MY WORK? **Yes!** Not every math problem requires a lot of work to be shown. However, there will be MANY times where you will have to show your thinking. You will be expected to keep your work neat so that it is easy for me to follow. *Points will be deducted from homework and tests if you do not show your work.*

REMIND

Sign up for Remind to receive up-to-date information for your math class. You can also message me with any questions. Parents AND students can join. I encourage any student with their own cell phone or access to an iPad to join Remind. **The Remind class code is on the class web page and in Google Classroom.**

TUTORING

The middle school math department encourages students to attend math tutoring with ANY available after-school tutor. Please check the school website for more information. If you are not able to stay after school because of transportation, Remind is even more important - use it to ask me questions and get help!

MATH DEPARTMENT CONTACT INFO

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Please sign and return this page to Ms. Brainerd.

My parent/guardian and I have read and understand the Math Syllabus. I understand what is required in order to be a successful math student.

Student Name Printed:

Student Name Signed:

Parent/Guardian Name Printed:

Parent/Guardian Name Signed:


$$\begin{array}{c} 2 > -3 \\ 0.999\dots = 1 \\ \pi \approx 3.14 \\ \sqrt{2} \\ 5(2 + 2) \\ 1 + 2 \cdot 3 \\ (1 - 2) + 3 \\ 101_2 = 5_{10} \end{array} \begin{array}{c} + \\ - \\ \times \\ \div \\ 5^2 \end{array}$$