



R.C. Murphy Junior High School

Mrs. Duca

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631-730-4800

Math Algebra I/8 Honors

2021 - 2022

Welcome:

Welcome to Algebra I. I am thrilled to introduce myself as your mathematics teacher. My name is Mrs. Duca. In the weeks and months to come, I hope we can work together to have a successful and enjoyable year. If at any time you have questions or concerns, please contact me at the email address above.

Course Description:

In this course we will explore a variety of topics within algebra including linear, exponential, quadratic, and polynomial equations and functions. You will achieve fluency in solving linear and quadratic equations as well as with manipulation of polynomials using addition, subtraction, multiplication, and factoring. You will understand the key differences between linear and exponential functions and finally you will learn to model problems using algebra, functions, sequences, and statistics. You will be responsible for taking a quarterly exam, midterm in January and a New York State Regents examination in June.

Honors Criteria

Honors courses are designed to provide academically advanced students with a rich and complex learning experience. Curriculum in this course is rigorous demanding. It requires the highest level of participation, effort and quality from its students. ***A 90 or above*** must be maintained in order to meet the school's honors criteria. If a student is not meeting the academic expectations ***at or any time after the 15th week***, he/she is strongly recommended to move to a more appropriate course.

Supply List:

- 3 ring binder (at least 1" thick)
- 1 divider
- Pens and Pencils



- Straightedge/Ruler
- TI-84 Plus or Plus CE Edition Graphing calculator

Classroom Expectations:

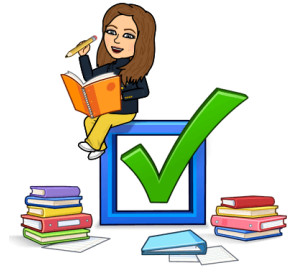
1. You are expected to be in your assigned seat when the bell rings.
2. Take out your pen/pencil, notebook and calculator.
3. Take out your agenda and write down the homework assignment.
4. Take out your completed homework assignment.
5. Begin the Do Now.
6. Take all notes from class in a neat and organized manner.
7. Breathe and remember to smile, you'll do great!



Grading

The quarterly grade is comprised of tests, quizzes and homework. The breakdown of the quarterly grade is shown below:

Tests: 60%
Quizzes: 30%
Homework: 10%



Test and Quizzes

Test and quizzes will be given on a regular bases and will be announced in class and on the parent portal. Please expect some type of assignment weekly. If a student misses a test or a quiz, it is the responsibility of the student to meet with me and arrange a time for a make-up. If a student does not make arrangements for a make-up quiz or test within two days upon returning to class, then he/she will incur a 10-point deduction from the quiz/test.

Homework

Homework is an important part of this class and will reinforce the concepts from the daily lesson. You are responsible for getting all assignments the day that you are at a music lesson, guidance appointment, fieldtrip, etc. Homework is due on time. Since almost all topics depend upon knowledge of the previous topic, it will be difficult to catch-up if you do not keep up with your assignments. Your grade for homework assignments will be based upon how many assignments you have done out of the total number checked. If you have trouble with any particular assignment, you will still receive credit for it as long as you've made a *reasonable effort* and you come to class with questions. Try to look at your homework as practice and remember just like anything else, the more you practice something, the easier that thing becomes. No one is born a great student; you have to practice to become one.

Extra Help - TBA



Google Classroom

Google Classroom is a very effective way to post weekly agendas, notes, review worksheets and communicate with you. This can be accessed by downloading the app to a mobile device or on your Chromebook or desktop.



7 Tips for Being Successful in Mathematics

- 1. BE IN CLASS** - It is much harder to understand new content when you are not in school for the lesson.
- 2. TAKE GOOD NOTES** – Your notes should be neat and correct. Make sure you correct any errors when going over the answers. Highlight vocabulary and formulas for flashcards. Make note of things Mrs. Duca emphasizes (ex. common mistakes to avoid, important work to show to get full credit on the test, etc.)
- 3. PARTICIPATE** – Ask questions! Don't be shy... your questions are often the same questions other students have. Asking questions will help our classroom discussions.
- 4. CORRECT YOUR MISTAKES** – Redo any questions from your homework, classwork or tests that you made mistakes on. Check your work with your notes from class. Bring in any questions to extra help.
- 5. PRACTICE, PRACTICE, PRACTICE** – You can use the recommended websites for additional practice. You also often have extra examples from classwork that you should try on your own. You can always bring these questions in to extra help to have Mrs. Duca check your work.
- 6. START STUDYING EARLY** – You should never wait to study until the night before a test. You should build your own review sheets as we go through each unit. Take questions from each day and mix them up for practice. Check your answers with your notes. The study day will be less overwhelming if you frequently mix up the lessons before the study day to practice. DO NOT use a review sheet as your only method for studying.
- 7. GET HELP** – You can bring in questions to The Math Learning Center (MLC) or during extra help.