

North Oldham High School

Mrs. Megan Rogers
Mathematics – Room 507
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Algebra 1 (1 credit)

School Year: 2017-2018

Textbook: Holliday, et al. *Algebra 1*. Columbus, OH. Glencoe/ McGraw-Hill Inc., 2003

Online textbook and resources: www.algebra1.com

Username: alg105

Password: beP8emEK

Requirement for credit:

Complete all class work with a 70% or greater; develop the required open response items at apprentice level or greater.

Catalog description:

The student will review the order of operations and the evaluation of algebraic expressions. Then we will go into learning to construct and to solve equations and inequalities with one variable in both mathematical and realistic contexts. The student will then begin a study of functions represented in multiple ways and learn to distinguish between linear and exponential relationships. The student will then extend the work to solving problems that involve systems of equations and inequalities. Next, the student will extend earlier work with exponents to polynomial expressions and then concentrate on quadratic equations and functions. Finally, the student should learn to analyze realistic data and to think critically about the limitations of mathematical modeling for representing such data.

Materials Needed:

- ✓ 3-ring binder and loose leaf paper **OR** spiral notebook and folder
- ✓ Pencils (absolutely **no** pens!)
- ✓ Graphing Calculator (TI-83+, TI-83 SE, TI-84, TI-84 SE, or TI-84+C)
- ✓ **4-AAA batteries for the calculator**
- ✓ Box of Kleenex (Optional)

Grading:

Homework/ Daily Work (10%) – Assignments will be graded based on completion and accuracy. In order to receive full completion credit, students should attempt ALL of the assigned problems, show their work, and turn the assignment in on time. Not all assignments will be taken up for a grade, but students will still be responsible for knowing the material. Late homework will NOT be accepted for full credit. The student will receive 60% credit for a late assignment.

Quizzes (25%) – Quizzes will be used to assess student learning leading up to each unit test. All major quizzes will be announced in advance. Students will not be allowed to use their notes, homework or textbook for these. Some quizzes may be unannounced and students will be allowed to use their notes/ homework on these.

Tests (50%) – Tests will be given at the end of each unit. All tests will be announced. Tests are worth 100 points. Students will be allowed test retakes, but there are guidelines for test retakes that the student will receive separately.

Midterm (5%) and Final Exams (10%) – The midterm and final exam will be comprehensive that will combine for 15% of your grade. I suggest that you keep all of your notes and homework to use to study for the midterm and final exam.

Make-up Work:

Make-up work for full credit only applies to absent students. If you have an excused absence, you will be given the number of days you missed, plus one day to make up your work. It is your responsibility to find out what you missed and copy the notes for that day. If your homework is not turned in on time, you will not receive full credit. If you have to make up a test or quiz, a different form may be given so that tests can be returned to other students in a timely manner. Through school policy, only 70% of an earned quiz or test grade will be given for unexcused absences.

Tutoring:

Students may stay after school on designated days or come early any morning for tutoring. I am typically at school by 7:45 each morning. Students will also be able to participate in the ESS program, which will have established hours once school begins. This is a great time to get questions answered, get homework help, prepare for a test or retake a test. Take advantage of this opportunity from the beginning! Do not wait until you are completely lost and behind in your work to ask for help!

Classroom Procedures:

- Once entering the classroom student should immediately get out homework from the previous lesson.
- Students should be inside the classroom before the bell rings or is considered tardy.
- Student must use PENCIL at all times during the math class!!
- When absent, it is **your** responsibility to come to me and ask for make-up assignments and copy the notes for that day.
- All students will remain in seats until the bell rings. If not all students are seated, we will remain in class until all students are in their seats.
- There will be absolutely NO CELLPHONES to be used unless otherwise instructed by the teacher. If a cell phone is seen or heard, I will ask you to give up your cell phone to me for the remainder of the period.

Expectations and Strategies for Success:

- ✓ Be Punctual. (Be in your assigned seat when the bell rings.)
- ✓ Be Prepared. (Bring all materials to class each day. Do all work in **pencil!**)
- ✓ Be Productive. (Stay on-task and actively participate in class. Ask Questions!)
- ✓ Be Positive. (Don't give up when faced with a challenge!)
- ✓ Be Polite. (Show respect to your teacher, classmates, and classroom!)