Syllabus for
College Algebra
MTH 203

Instructor: Mrs. Traci Brown
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Prerequisite: Minimum score of 19 on the mathematics section of the ACT

Course Description: Content of this course includes linear and quadratic functions; transformation of basic curves; composition of functions; arithmetic and geometric sequences and series; direct and inverse variations; solving and graphing problems whose mathematical models are polynomial, rational, exponential and logarithmic functions. Time permitting, the following topics may be covered: solving systems of linear and nonlinear equations and inequalities with applications for each; determinants and matrices; linear programming; conic sections; binomial expansions; and counting techniques and probability.

Calculator: We will use the TI-84 plus extensively in this course. If you do not have a calculator you may request to borrow one for the semester. Contact Tammye Sherrill or Lisa Harrison at 479-637-5502.

Supplies: Paper, graph paper, three-ring binder, and pencil

Nature of the course:
It is important to remember that this course builds upon fundamental understanding of basic mathematical principles. There is a substantial amount of homework. If you begin to have difficulty, seek help IMMEDIATELY. Do not wait until the test to ask questions.

Homework:
Homework will consist of problems to be completed outside of the classroom. Assignments are given in multiples of three so students can check their answers with the book to make sure they are working the problems correctly. Doing the homework is crucial for your success in this class. We will have time everyday for you to ask questions, don't be shy. Homework is collected every Friday, unless otherwise instructed. This gives you the opportunity to seek help if needed. Show all of your work. Provide answers in the context of the problem with appropriate units. Put the textbook page, number of problems, date, and your name in the top right hand corner of the paper.

Exams:
A chapter exam will occur after a chapter has been thoroughly covered.

Grade:
Remember for college algebra to transfer to another college you must achieve a C or above. The grade for the class is an average of the student's points to total points. A = 90-100%, B = 80-89%, C = 70-79%, D = 60-69%, and F = 59% and below. Students are encouraged to keep up with their grades. Students and parents/guardians can check HAC at any time. Grades will be updated weekly.

Assignment Expectations

This includes textbook assignments, activities, and projects.

- I expect students to exhibit character in all aspects of the course by giving full effort in their own learning, supporting classmates, and completing assignments with integrity. I encourage students to work together on all book assignments.
- Working together is not the same thing as copying.
- Working together means actively discussing the topic, sharing and questioning ideas, and critiquing each other's solutions.
- Occasionally, you will have a worksheet or take-home quiz for a grade. You are expected to complete such assignments on your own using only the resources (e.g. textbook) specified in the assignment.
- Working together or copying the work of another student will result in a zero for the assignment, parent notification, and a discipline referral. Similar consequences will apply to any type of cheating on quizzes and tests completed in class.

<u>Steps to be successful in mathematics:</u>

- Come to class ready to work every day.
- Do your assignments every day. Do your assignment as soon as possible. If you wait then you might forget.
- Taking notes is crucial for your success. Not only do you need to copy the notes but make notes to yourself. You are the one reading your examples when working on homework. For your brain to remember what we discussed in class it is useful to make additional notes about WHY we took the steps we did to reach a solution.
- Class discussion is a major component in this class. When you are absent you miss out on the discussion and the concept. Be an active part of the class by contributing pertinent information.

Attendance:
You are expected to attend all classes. If you miss you can get a copy of the notes and the assignment. Attendance is one of the key factors to your success. When you miss class discussions you miss out.

Tutoring: If a student is having difficulty tutoring is available. If you do not understand the material being covered seek help IMMEDIATELY! Do not wait until the day of the test to ask for help. Tutoring is available by appointment. Appointments can be made for before school, at lunch, or after school. It is the responsibility of the student to make arrangements for tutoring.

ADA Statement:
It is the policy of UARM to accommodate students with disabilities, pursuant to state and federal law. Any student with a disability who needs accommodation, for example in seating placement, examinations, or access to information on the web, should contact the Dean of Student Services Office, which is located in the Abernathy Building Room 301, 1-479-394-7622 ext. 1440

VISION:
UA Rich Mountain, as a gateway of opportunity, respects the worth and dignity of each person.

MISSION:
UA Rich Mountain provides transformative education to all learners.

Student Information:

Student name: _____

I have read and agree to follow the policies in the class syllabus (sign):

_____date_____

Parent Information:

Parent/guardian name: _____

Email:_____

Home phone: _____ Cell phone:_____

I have read and agree to follow the policies in the class syllabus (sign):

_____date_____

What is the best way to contact you? When?