Welcome to

MATH 1220

COLLEGE ALGEBRA

INSTRUCTOR:
Precious Andrew
pandrew@unm.edu
Office: AS123

TUTORING/OFFICE HOURS:
Tuesdays 12:30-1:30pm and Tuesdays and Thursdays 4:15-5:45pm, or by appointment.

OFFICE: Arts and sciences 123 (A123). Zoom hours will be facilitated using the link posted in Canvas.

COURSE DESCRIPTION:
The study of equations, functions and graphs, reviewing linear and quadratic functions, and concentrating on polynomial, rational, exponential and logarithmic functions. Emphasizes algebraic problem-solving skills and graphical representation of functions. (3 Credit Hours).

PREREQUISITES:
C or better in MATH 1215X and 1215Y and 1215Z or MATH 1170 + MATH 1215Z or MATH 1215 or an appropriate placement test.

Start by *exploring* our course at canvas.unm.edu.

Here you will find course information and the link to our textbook: Openstax *College Algebra*, 2nd edition, Abramson. ISBN 9781711494029.
https://openstax.org/details/books/college-algebra-2e.

The *grade you earn* will be based on the following assignments and scale:

Midterm Exam	**22.5%**
Final Exam	**27.5%**
Worksheets & Reviews	**40%**
Poster Project	**10%**
Total	**100%**

A+: 97-100%	**A: 93-96%**	**A-: 90-92%**
B+: 87-89%	**B: 83-86%**	**B-: 80-82%**
C+: 77-79%	**C: 73-76%**	**C-: 70-72%**
D+: 67-69%	**D: 63-66%**	**D-: 60-62%**
F: < 60%		

For this class, ***you will need*** reliable internet access, access to a printer, a scanner or scanner app like AdobeScan or Camscanner, and a scientific calculator.

Late work is generally not accepted, but please contact me if you have special circumstances.

Attending class is essential. Please commit to attend every class meeting, unless there is an emergency. If you miss three classes, you may be dropped from the course. This is because students who miss this many class meetings rarely successfully complete the course. In an online course, not submitting an assignment will be regarded as an absence. Please communicate any special circumstances with me.

MECS DIVISION CHAIR:
Andrew Taylor
ataylor19@unm.edu

ABOUT YOUR INSTRUCTOR:

I hope to see you in office hours! For now, here is a little about me. My name is Precious Andrew. Most students call me my first name, Precious, or Ms. Andrew if you prefer. I have been teaching mathematics at UNM since 2007. I have lived in *New Mexico* since I was a child, I studied at UNM,I love red chile, and I enjoy powerlifting.

TUTORING:

You can schedule an appointment for free in-person or online *tutoring*. Stop by the Learning Center in the UNM-Valencia Campus library, email tutor@unm.edu, call (505)228-8860, or visit the link to schedule an appointment –

https://outlook.office365.com/book/TESTLearningCommons@unmm.onmicrosoft.com/

Grade mode and Withdrawals: You must select your grade mode (Letter Grade, CR/NC, or Audit) within the first 2 weeks of the semester. Students who withdraw after the deadline will receive a grade of W. If you do not withdraw (but stop attending), you may receive a failing grade. Make sure to drop the class on my.unm if you wish to do so. See the list of all deadlines: www.registrar.unm.edu

VALENCIA

"You can totally do this!"

Here are some additional *resources*:

UNM Valencia Library - http://valencia.unm.edu/library/

UNM Valencia Life Resources - http://valencia.unm.edu/students/student-resources.html

Veteran's Resource Center - vrc@unm.edu

PASOS Resource Center - (505) 925-8546, pasos@unm.edu. The Resource Center is an on-campus center that serves as a "one-stop" for all non-academic needs of UNM-Valencia students.

Here are some of the *student learning outcomes:*

By the end of the semester, students should be able to:

A. Use function notation; perform function arithmetic, including composition; find inverse functions.

B. Identify functions and their transformations given in algebraic, graphical, numerical, and verbal representations, and explain the connections between these representations.

C. Graph and interpret key feature of functions, e.g., intercepts, leading term, end behavior, asymptotes.

D. Solve equations algebraically to answer questions about graphs, and use graphs to estimate solutions to equations.

E. Solve contextual problems by identifying the appropriate type of function given the context and creating a formula based on the information given.

F. Communicate mathematical information using proper notation and verbal explanations.

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University Policies:

Title IX:

The University of New Mexico and its faculty are committed to supporting our students and providing an environment that is free of bias, discrimination, and harassment. The University's programs and activities, including the classroom, should always provide a space of mutual respect, kindness, and support without fear of harassment, violence, or discrimination. Discrimination on the basis of sex includes discrimination on the basis of assigned sex at birth, sex characteristics, pregnancy and pregnancy related conditions, sexual orientation and gender identity. If you have encountered any form of discrimination on the basis of sex, including sexual harassment, sexual assault, stalking, domestic or dating violence, we encourage you to report this to the University. You can access the confidential resources available on campus at the LoboRESPECT Advocacy Center (https://loborespect.unm.edu), the Women's Resource Center (https://women.unm.edu), and the LGBTQ Resource Center (https://lgbtqrc.unm.edu).

If you speak with an instructor (including a TA or a GA) regarding an incident connected to discrimination on the basis of sex, they must notify UNM's Title IX Coordinator that you shared an experience relating to Title IX, even if you ask the instructor not to disclose it. The Title IX Coordinator is available to assist you in understanding your options and in connecting you with all possible resources on and off campus. For more information on the campus policy regarding sexual misconduct and reporting, please see https://policy.unm.edu/university-policies/2000/2740.html and CEEO's website.

If you are pregnant or experiencing a pregnancy-related condition, you may contact UNM's Office of Compliance, Ethics, and Equal Opportunity at ceeo@unm.edu. The CEEO staff will provide you with access to available resources and supportive measures and assist you in understanding your rights.

Credit-hour statement: This is a three credit-hour course. Class meets for two 75-minute sessions for fifteen weeks during the Fall 2025 semester. Please plan for a minimum of 6 hours of out-of-class work each week.

Accommodations:

UNM is committed to providing equitable access to learning opportunities for students with documented disabilities. As your instructor, it is my objective to facilitate an inclusive classroom setting, in which students have full access and opportunity to participate. To engage in a confidential conversation about the process for requesting reasonable accommodations for this class and/or program, please contact arcsrvs@unm.edu or 505-277-3506.

UAP 2720 and 2740. Our classroom and university should foster mutual respect, kindness, and support. If you have concerns about discrimination, harassment, or violence, please seek support and report incidents. Find confidential services at LoboRESPECT Advocacy Center, the Women's Resource Center, and the LGBTQ Resource Center. UNM prohibits discrimination on the basis of sex (including gender, sex stereotyping, gender expression, and gender identity). All instructors are "responsible employees" who must communicate reports of sexual harassment, sexual misconduct and sexual violence to Compliance, Ethics and Equal Opportunity. For more information, please see UAP 2720 and UAP 2740.

Schedule of Topics:

Week of	Topics	Textbook Reference Section
Aug 18	Functions	3.1/3.2
Aug 25	Graphs of Functions	3.2/3.3
	Properties of Functions	3.2/3.3
Sep 1	**Labor Day (Monday)**	
	Library of Functions and Piecewise	3.1
Sep 8	Transformations	3.5
	Linear Functions	4.1/4.2
Sep 15	Quadratic Functions (zeros)	5.1
	Quadratic Functions (properties)	5.1
Sep 22	Quadratic Functions (models)	5.1
	Absolute Value	3.6
Sep 29	Polynomials	5.3/5.5
	Review	
Oct 6	**Midterm Exam Tuesday, October 6th**	
	Fall Break (Thursday & Friday)	
Oct 13	Rational Functions	5.6
Oct 20	Graphing Rational Functions	5.6
	Compositions	3.4
Oct 27	Inverses	3.7
	Exponential Functions	6.1/6.2
Nov 3	Logarithms	6.3/6.4
	Properties of Logarithms	6.5
Nov 10	Properties of Logarithms	6.5
	Logarithmic and Exponential Equations	6.6
Nov 17	Exponential Growth Models (financial)	6.7
	Exponential Growth and Decay Models (other)	6.7
Nov 24	Systems of Linear Equations	7.1
	Thanksgiving Break (Thursday & Friday)	
Dec 1	**Poster Project due December 1st**	
	Review	
Dec 8	**Final Exam Thursday, December 11th, 1:30-3:30pm**	