



Mountain Range High School
 12500 Huron Street • Westminster, CO 80234
 Office: (720) 972-6300 • Fax: (720) 972-6529
<http://www.mountainrange.adams12.org>



Course Name		C.P. Trigonometry/Pre-Calculus		
Course Description		In C.P. Trigonometry/Pre-Calculus, students will use trigonometric functions as well as symbolic reasoning to represent and connect ideas in geometry, probability and statistics, trigonometry, and calculus to model physical situations. Students will be able to use and apply mathematical concepts and skills to solve problems involving polar coordinates, radian measures, graphing sine and cosine functions, families of functions, composition and inverse functions, inverse trigonometric functions, and trigonometric identities.		
Unit of Study	Content Standards/Grade Level Expectations	Approximate Time Spent or Percent of time Spent	Targeted Date of Assessment	
Algebraic Models	Patterns, Functions, and Algebraic Structures	2 weeks	1 st Semester	
Functions and Graphs	Patterns, Functions, and Algebraic Structures	4 weeks	1 st Semester	
Polynomial, Power, and Rational Functions	Patterns, Functions, and Algebraic Structures	4 weeks	1 st Semester	
Exponential, Logistic, and Logarithmic Functions	Patterns, Functions, and Algebraic Structures	4 weeks	1 st Semester	
Trigonometric Functions	Shape, Dimension, and Geometric Relationships	5 weeks	2 nd Semester	
Analytical Trigonometry	Shape, Dimension, and Geometric Relationships	4 weeks	2 nd Semester	
Applications of Trigonometry	Shape, Dimension, and Geometric Relationships	3 weeks	2 nd Semester	
Analytical Geometry in Two and Three Dimensions	Shape, Dimension, and Geometric Relationships	2 weeks	2 nd Semester	

Course Grade Scale		Assessment/Practice Proficiency Levels	
A	89.5 - 100	4	Advanced Understanding of the Standard
B	79.5 – 89.4	3	Meets the Standard
C	69.5 – 79.4	2	Approaches the Standard
D	59.5 – 69.4	1	Does not Meet the Standard
F	0 – 59.4		



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Grade Reporting Criteria/Weights		
Grade Reporting Criteria	Semester 1	Semester 2
Patterns, Functions, and Algebraic Structures	70%	0%
Shape, Dimension, and Geometric Relationships	0%	70%
Procedural Fluency	10%	10%
Mathematics Communication	10%	10%
Practice	10%	10%

Grades are based on achievement of Content Standards and Grade Level Expectations.
 *Weekly progress grades are posted at <https://ic.adasm12.org/campus/portal/adams12.isp>

General Expectations

- Grades are based upon the demonstration of proficiency on units associated within specific grade reporting criteria.
- Assessment: Assessments are a means to determine a student's mastery and understanding of information, skills, concepts, or processes.
- Practice: Practice includes opportunities for students to receive clear, specific, and timely feedback as they are developing knowledge and skills, prior to Assessments. Practice may be scored as satisfactory (S), Incomplete (I), unsatisfactory (U) or Missing (M).
- Assessments will be graded based on teacher/district/state rubrics.
- Procedural Fluency: Is a measurement of the basic skills necessary for success in this class.
- Students are held to the Academic Integrity Policy for Mountain Range High School.

Class Expectations

Missing or incomplete assignments/assessments for this course: Superintendent Policies 6280 Homework and 6281 Make-Up Work will be followed for this course. They state that it is the student's responsibility to request and obtain missing work. When a student has an excused absence, the student has the same number of days they were absent plus one day to make up assignments. Students who are unexcused may not be able to receive feedback from Practice prior to required Assessments.

Late Work: In order to promote lifelong learning skills, late work will not be accepted for credit past the unit Assessment.

Plagiarism/Cheating : Students are held to the Academic Integrity Policy for Mountain Range High School.

Plagiarism means to

present, as one's own work, writing, words, ideas, or computer information of someone else. These sources could be either published or unpublished. Cheating is supplying, receiving or using inappropriate devices to improve performance on a test or assessment. Students who engage in plagiarism or cheating will be disciplined according to the school discipline matrix.