

Algebra Prep 2 – 1st 8 Weeks

ASC 92 Algebra Prep 2 (2 semester credits)

Course Description: This course is a continuation of Algebra Prep I as a beginning level algebra course. Topics covered include fundamental operations, linear graphing, functions, exponents, polynomials, factoring. This class does not satisfy college graduation requirements for math.

Prerequisite(s): none

Harmony Richman Email: harmony.richman@vcsu.edu Phone: 701- 845-7685 Office Location: Rhodes 104E Course Website: http://mrsrichmanprep.weebly.com/ Textbook: <i>Beginning and Intermediate Algebra by Tobey, Slater, Blair, and Crawford 4th edition.</i> With MyMathLab access code.	<u>Class Schedule:</u>	
	Monday	
	Tuesday	
	Wednesday	
	Thursday	
	Friday	
	<u>Office Hours:</u>	

Course Requirements: Learning algebra is an investment of time. Algebra is learned best by practice, reflect, and practice some more. Understanding the steps in the topic explanations and video presentations is a good start. However, to truly know the material, you should be able to look at a problem, know how to proceed, and carry out the steps without assistance. There are multiple attempts in completing the homework which helps to provide opportunities for you to get to that point. It is expected to invest a minimum of 2 hours per semester credit hours outside of the classroom. Students are expected to be active learners in the classroom activities which helps enhance the students learning experience. Learning will take place utilizing the following; MyMathLab, in-class activities, supplemental instruction provided by the instructor; project; homework, and tests/exams.

Course Objectives/Student Outcomes: The students will be able to:

- Demonstrate an understanding of terms and rules used in algebra.
- Utilize the rules of exponents to simplify exponential expressions.
- Utilize problem solving strategies to solve problems.
- Graph functions using slope-intercept form.
- Perform the basic algebraic operations with polynomials.
- Factor using greatest common factor, factor by grouping factor trinomials of the form $ax^2 + bx + c$, and special cases.
- Analyze and solve various types of math problems.

- Gain the skills need to participate in ASC 93 Algebra Prep III.

Relationship to Campus Theme: This course introduces algebra skills that are used to solve problems in science, technology, business and social sciences. These problems will require critical thinking and interaction with other students.

Grading Criteria: Your grade will be weighted on the following:

Homework	25%
In-Class Activities	25%
Tests/Exams	35%
Project	15%

Final letter grades are assigned based on the following:

A	90% - 100%	B	80% - 89%
C	70% - 79%	D	60% - 69%
F	≤ 59%		

Late Homework/Assignments: It is the **responsibility of the student** to obtain an assignment if they are absent on the day it is given. If a student is absent on the day the assignment is due, it is his/her responsibility to get the assignment to the instructor **on time**. Missed assignments will be graded as a zero. In class activities are meant to be completed in class. Late tests/exams will not be given unless prior approval from the instructor is given.

Schedule (subject to change):

Date	Topic
August 26 th	✓ Welcome! ✓ MyMathLab ✓ Overview of Course
August 27 th	✓ 3.1 – The Rectangular Coordinate System
August 29 th	✓ 3.2 Graphing Linear Equations
September 1 st	✓ 3.3 – The Slope of a Line
September 2 nd	No Class
September 3 rd	✓ Mid-Chapter 3 Review
September 5 th	✓ 3.4 Writing the Equation of a Line
September 8 th	✓ 3.5 Graphing Linear Inequalities
September 9 th	✓ 3.6 Functions
September 10 th	✓ Chapter 3 Review
September 12 th	✓ Chapter 3 Test ✓ All Chapter 3 Homework due by 11:59PM
September 15 th	✓ 5.1 – The Rules of Exponents
September 16 th	✓ 5.2 – Negative Exponents and Scientific Notation.
September 17 th	✓ 5.3 – Fundamental Polynomial Operations

September 19 th	✓ Mid-Chapter 5 Review
September 22 nd	✓ 5.4 Multiplying Polynomials
September 23 rd	✓ 5.5 Multiplication: Special Cases
September 24 th	✓ 5.6 Dividing Polynomials
September 26 th	✓ Chapter 5 Review
September 29 th	✓ Chapter 5 Test ✓ All Chapter 5 Homework due by 11:59PM
September 30 th	✓ 6.1 – Removing a Common Factor
October 1 st	✓ 6.2 – Factoring by Grouping
October 3 rd	✓ 6.3 – Factoring Trinomials of the Form $x^2 + bx + c$
October 6 th	✓ 6.4 Factoring Trinomials of the Form $ax^2 + bx + c$
October 7 th	✓ 6.5 Special Cases of Factoring
October 8 th	✓ 6.6 A Brief Review of Factoring
October 10 th	✓ 6.7 Solving Quadratic Equations by Factoring
October 13 th	✓ Chapter 6 Review
October 14 th	✓ Chapter 6 Test ✓ All Chapter 6 Homework due by 11:59 PM
October 15 th	✓ Final Exam Review ✓ Math Art Project DUE
October 17 th	✓ Final Exam