

# **8th Grade Pre-Algebra**

## **Mrs. Robnett**

### **Course Description:**

8th Grade PreAlgebra is a class designed to reinforce students' prior knowledge of middle school math (fractions, decimals, measurements conversions, and basic Algebra). This course will deepen students' understanding of Algebra. We will focus on linear functions, function relationships, and Geometry skills. Students will develop the ability to explore and solve mathematical problems, think critically, work cooperatively with others, and communicate mathematical ideas clearly. Students will learn all required concepts as set forth by the Oklahoma Academic Standards to help them succeed on the state end of instruction exam.

### **Grading:**

Students will be graded on their understanding and completion of class assignment, quizzes, and tests. Classwork - 50%, Test - 30%, Quiz - 20%.

### **Classwork:**

Students will be informed of the due date for an assignment as the time it is given. All work must be completed in pencil and all work must be shown. All assignments must contain student name, date, and assignment with page number in the top right corner of the paper.

### **Quizzes & Tests:**

Quizzes will not always be announced. All tests will be announced in advance. A practice test will be given one to two days in advance to help students review and prepare.

### **Participation:**

Students will be expected to participate daily in class. This includes but is not limited to, asking/answering questions about lessons and cooperating with classmates during class projects.

### **Absences:**

It is the responsibility of the student to obtain the assignment from Google Classroom. Absent students will have as many days as their absence to make up assignments missed. Students that are absent the day of a test will be expected to take the exam on the day that they return to school.

# **Algebra I**

## **Mrs. Robnett**

### **Course Description:**

Algebra I is designed to provide students with enhanced mastery in the basics of Algebra and the skills needed to succeed in upper level math courses as well as life after high school. Students will study such concepts as equations, inequalities; exponents, radicals, functions, coordinate systems, polynomials, and polynomial equations. Algebra is more than formulas and equations, it involves reasoning, problem solving, as well as critical thinking, all skills essential for success. Concepts taught will be derived from the Oklahoma Academic Standards as set forth by the state.

### **Grading:**

Students will be graded on their understanding and completion of class assignment, quizzes, and tests. Classwork - 50%, Test - 30%, Quiz - 20%.

### **Classwork:**

Students will be informed of the due date for an assignment as the time it is given. All work must be completed in pencil and all work must be shown. All assignments must contain student name, date, and assignment with page number in the top right corner of the paper.

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# **Geometry**

## **Mrs. Robnett**

### **Course Description:**

Geometry is the branch of mathematics that deals with the measurements, properties, and relationships of points, lines, angles, surfaces, and solids. Geometry also deals with logic, using inductive and deductive reasoning as an integral part of geometric thinking. Geometry is closely connected to other branches of mathematics such as Algebra, Logic, Probability, and Trigonometry. Real life applications as well as some study into formal proofs. This course focuses on practical applications of geometrical ideas as set forth by the state in the Oklahoma Academic Standards.

### **Grading:**

Students will be graded on their understanding and completion of class assignment, quizzes, and tests. Classwork - 50%, Test - 30%, Quiz - 20%.

### **Classwork:**

Students will be informed of the due date for an assignment as the time it is given. All work must be completed in pencil and all work must be shown. All assignments must contain student name, date, and assignment with page number in the top right corner of the paper.

### **Quizzes & Tests:**

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### **Participation:**

Students will be expected to participate daily in class. This includes but is not limited to, asking/answering questions about lessons and cooperating with classmates during class projects.

### **Absences:**

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# **Algebra II**

## **Mrs. Robnett**

### **Course Description:**

Algebra 2 students will develop skills in manipulating and solving linear, quadratic, exponential, polynomial, radical, rational, and logarithmic equations. Topics include linear functions, systems, polynomial functions, rational expressions, powers, roots, radicals, quadratics, exponential and logarithmic functions, and inverse functions. Concepts taught will be derived from the Oklahoma Academic Standards as set forth by the state.

### **Grading:**

Students will be graded on their understanding and completion of class assignment, quizzes, and tests. Classwork - 50%, Test - 30%, Quiz - 20%.

### **Classwork:**

Students will be informed of the due date for an assignment as the time it is given. All work must be completed in pencil and all work must be shown. All assignments must contain student name, date, and assignment with page number in the top right corner of the paper.

### **Quizzes & Tests:**

Quizzes will not always be announced. All tests will be announced in advance. A practice test will be given one to two days in advance to help students review and prepare.

### **Participation:**

Students will be expected to participate daily in class. This includes but is not limited to, asking/answering questions about lessons and cooperating with classmates during class projects.

### **Absences:**

It is the responsibility of the student to obtain the assignment from Google Classroom. Absent students will have as many days as their absence to make up assignments missed. Students that are absent the day of a test will be expected to take the exam on the day that they return to school.