

**COSSA Academy**  
**Principles of Algebra and Geometry**  
**Rules, Policies, and Procedures**  
**2019-2020**  
**Mrs. Owen**

**Course Title:** Principles of Algebra and Geometry

**Course Description:** The purpose of this course is to prepare students for ISAT testing by giving students a knowledge of both Algebra and Geometry.

**Course Website:** [www.owenmathclass.com](http://www.owenmathclass.com)

**Big Ideas:** We will study as many of the following units as time allows in this course:

1. Target P – Summarize, represent, and interpret data on a single count or measurement variable.
2. Target O – Define trigonometric ratios and solve problems involving right triangles
3. Geometry - Transformations
4. Target I – Solve equations and inequalities in one variable (Linear)
5. Target G – Create equations that describe numbers or relationships (Linear and Exponential)
6. Target J – Represent and solve equations and inequalities graphically (Linear and Exponential)
7. Target L – Interpret functions that arise in applications in terms of a context (Linear and Exponential)
8. Target M – Analyze functions using different representations (Linear and Exponential)
9. Target N – Build a function that models a relationship between two quantities (Linear and Exponential)
10. Target I – Solve equations and inequalities in one variable (Quadratic)
11. Target G – Create equations that describe numbers or relationships (Quadratic)
12. Target J – Represent and solve equations and inequalities graphically (Quadratic)
13. Target L – Interpret functions that arise in applications in terms of a context (Quadratic)
14. Target M – Analyze functions using different representations (Quadratic)
15. Target N – Build a function that models a relationship between two quantities (Quadratic)
16. Target D – Interpret the structure of expressions
17. Target E – Write expressions in equivalent forms to solve problems
18. Target F – Perform arithmetic operations on polynomials
19. Target H – Understand solving equations as a process of reasoning and explain the reasoning
20. Target K – Understand the concept of a function and use function notation
21. Target A – Extend the properties of exponents to rational numbers
22. Target B – Use properties of rational and irrational numbers
23. Target C – Reason quantitatively and use units to solve problems
24. Geometry – Properties of triangles
25. Geometry – Properties of circles

## **Classroom rules:**

1. Respect others and their property
2. Have all materials, and have them ready to use when the bell rings
3. Be polite and helpful
4. Don't curse or swear
5. No cheating\*

\***Cheating:** Cheating will not be tolerated. Any student found cheating will receive a failing grade on that assignment and the student's parents will be contacted. A second offense will result in disciplinary action.

## **Consequences:**

- ☒ First offense: Warning
- ☒ Second offense: Short conference with student
- ☒ Third offense: Student will be sent to ISS

## **Grading Policy:**

Quarter Grading:

Assignments.....	10%
Quizzes.....	30%
Interim Assessments.....	40%
End of Quarter Exam.....	20%

## **Procedures:**

- Turning work in
  - ✓ Work must be placed in the appropriate tray in the room.
- Late work
  - ✓ Completing work late puts you at a disadvantage in class. Math is a subject that relies on previously learned skills. I strongly encourage you to complete your work on time.
- Pre-Tests
  - ✓ For each section in a target you will complete a pre-test.
  - ✓ If you score high enough on the pre-test you will not need to complete the assignment for that section.
- Interim assessments
  - ✓ You will take interim assessments once the appropriate number of targets have been completed. These are computerized tests.
  - ✓ The interim assessments cannot be retaken.
- Quizzes
  - ✓ Quizzes will be given at the end of each week.
  - ✓ Quizzes may cover any material discussed during the course.
- Leaving the classroom for any reason
  - ✓ If you are leaving the classroom without a staff member, take the pass.
- End-of-period class dismissal
  - ✓ I have an alarm that will tell you when you can pack up at the end of class.
  - ✓ Do not pack up before I give you permission to.
- Food and Drink
  - ✓ No food or drink will be allowed in the classroom.
- Electronic Devices
  - ✓ Use of electronic devices is not allowed unless directed by the teacher.
- Contact Mrs. Owen
  - ✓ If you need extra help or need to speak to me, feel free to come see me before school, after school, or during Academic Success.
  - ✓ Feel free to contact me by calling the school at 208-482-6074.
  - ✓ Email me at [owenr@cossaschools.org](mailto:owenr@cossaschools.org)

\*\*\*Subject to change.

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Detach this sheet and return it to Mrs. Owen after signing.

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Parent/Guardian and Student Acknowledgement

I acknowledge receipt of the syllabus for COSSA Academy Principles of Algebra and Geometry.  
I have read and I understand the class rules and expectations.

\_\_\_\_\_  
Student Name (Printed)

\_\_\_\_\_  
Parent/Guardian Name (Printed)

\_\_\_\_\_  
Student Signature

\_\_\_\_\_  
Parent/Guardian Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Date

\_\_\_\_\_  
Parent/Guardian Email

\_\_\_\_\_  
Parent/Guardian Phone Number