

# Algebra 2

## Mr. Romano

Complete the arithmetic problem you were given.

Show me your answer as soon as you complete it.

If you get it correct, you can choose your seat!!

Without the use of a calculator complete the worksheet

## **Insert the Decimal**

I will record the seating arrangement while you are working.

# Insert the Decimal answer key

1)  $\underline{7.836} \times \underline{4.92} = 3855312$

$7 \times 4 = 28$  so;  $38.55$ ;

4)  $\underline{68.64} \div \underline{4.4} = 156$

$68 \div 4 = 17$  so;  $15.6$

2)  $\underline{22.736} \times \underline{10.259} = 233249$

$22 \times 10 = 220$  so;  $233.249$

5)  $0.735 \div 0.7 = 105$

$.7 \div .7 = 1$  so;  $1.05$

3)  $\underline{534.6} \times \underline{0.545} = 291357$

$534 \times .5 = 267$  so;  $291.357$

6)  $\underline{467.9} \div \underline{31.35} = 14925$

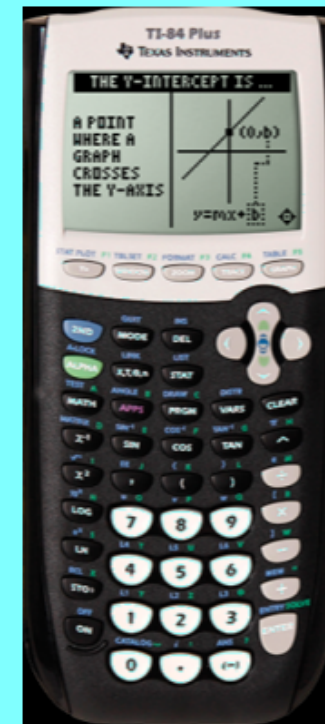
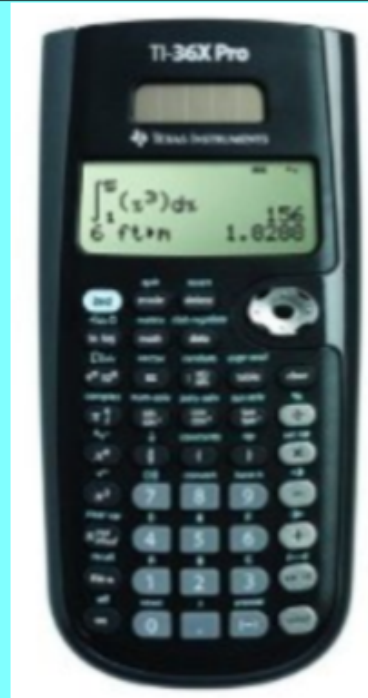
$467 \div 31 \approx 15$  so;  $14.925$

# **Syllabus**

**Algebra 2 Course Description:** This is the third course in a sequence of courses designed to provide students with a rigorous program of study in mathematics. It includes the following seven units: Quadratics Revisited, Operations with Polynomials, Polynomial Functions, Rational and Radical Relationships, Exponential and Logarithms, Mathematical Modeling, Inferences and Conclusions from Data.

**Prerequisite(s):** Students should have successfully completed Geometry before taking this course.

**Calculator:** In order to successfully complete this course, all students will need a scientific calculator. A TI-36X Pro, shown at the right, is the calculator we recommend.



We will also use the TI-84 Plus.

## **Online Information Website:**

[www.GeorgiaStandards.Org](http://www.GeorgiaStandards.Org)

<http://www.GeorgiaStandards.Org>

Choose the tab labeled ELA/Math. Choose Mathematics.

Scroll down to Grades 9-12 and choose Algebra 2.

This allows

you to view the standards for all Algebra 2 units.

**Materials:**

3-ring Notebook, 6 dividers, pencil,  
highlighters, paper and calculator



**Grading Procedure:**

Algebra 2

Homework 10%

Quizzes 20%

Tests 50%

Midterm 10%

Final 10%

Algebra 2 Support

Classwork 100%

· **Homework (10%)**: Every assignment must be completed in pencil and all work shown. Assignments will be checked on a daily basis, sometimes for completion and sometimes for accuracy. A maximum grade of a 70 will be given on assignments that do not follow the guidelines given. We will go over the correct answers to every assignment. Students are required to check and correct all problems. At the end of each week, the students will receive a weekly average for homework completion which will count as a daily grade. Other assignments graded for accuracy will count as a daily grade. No late work is accepted.

### **How is homework graded?**

You will be asked to turn in the homework assignment or put it on your desk for it to be graded.

Key: 3 pts - all complete on time      2 pts - not all but more than  $\frac{1}{2}$  complete  
1 pt - some but less than half completed      0 pts - none completed

Points will be totaled for the week and grade will be calculated based on total possible points.

For example: points earned for week 1: 9      total possible: 12      weekly average:  
 $9/12 = 75\%$

- **Group Work:**

Group work is an important component in Algebra 2.

Students are

expected to stay on task, participate, and contribute to the group task. Students

will receive a grade for each group task or activity. Part of the grade may be

based on accuracy and part on effort, depending on the task. Points will be

deducted if students are off task or being disruptive.

Group work

grades will be counted as daily or quiz grades. This will be specified with each

group activity.

**Quizzes (20%):**

Quizzes may be announced or unannounced.

- **Tests (50%):**

All test papers will remain on file with the teacher. Students will be given the opportunity to review test papers in class. Parents can request that a test be taken home but it needs to be returned.

· **Re-Test Opportunity:**

In an effort to ensure our students master the Georgia Standards of Excellence, the math department will provide opportunities for remediation and retesting to improve their score to a maximum of 75.

After scoring below a 75 on a test, students have the opportunity to retest provided they attend at least 3 remediation sessions offered on Tuesdays 7:00 - 7:45 am in T-4 and 3:45 - 4:45 pm in B-7 and Thursdays 7:00 - 7:45 am in B-2 and 3:45 - 4:45 pm in C-3 or provide evidence of outside remediation such as private tutoring.

Students have one opportunity to retake a test.

All remediation and retests must be completed within a three week window starting the day after a test is handed back.

It is students' responsibility to notify their teacher that they want to retake a test.

**Midterm (10%):** The midterm exam will cover the first half of the course (units 1-3) and will be given in December during finals week. **(This test may NOT be exempted)**

**Final Exam (10%):** The final exam will cover the second half of the material (units 4-6) and will be given in May. **(This test MAY be exempted.** Guidelines for the exam exemption policy are found in the Student Handbook posted on the OCHS website.)

## **Warm Ups:**

We will begin class daily with a Warm Up.  
They may be collected and may be graded for accuracy.



- **Mini-Checks/Daily Grades:**

Short assessment to check student understanding.

These will be graded for accuracy.

**Extra Credit:**

There is no extra credit given for this class.

Please use any extra time you have to study and review concepts.

Without the use of a calculator complete the  
**Math Crossword Puzzle**

<sup>1</sup> 1	2	<sup>2</sup> 1		<sup>3</sup> 4		<sup>4</sup> 2	5	<sup>5</sup> 6
5		<sup>6</sup> 7	2	6		1		0
<sup>7</sup> 5	0	0		2		<sup>8</sup> 4	<sup>9</sup> 8	0
			<sup>10</sup> 5	8	<sup>11</sup> 2		0	
<sup>12</sup> 6	<sup>13</sup> 9	9	3		<sup>14</sup> 2	7	0	0
	3		<sup>15</sup> 8	<sup>16</sup> 2	0			
<sup>17</sup> 1	1	<sup>18</sup> 2		4		<sup>19</sup> 8	4	<sup>20</sup> 5
8		5		<sup>21</sup> 9	0	0		8
<sup>22</sup> 9	0	0		0		<sup>23</sup> 6	4	0

## **Notebooks:**

Students are expected to keep an organized notebook for the class.

**Absences/Make-up work:**

It is the students' responsibility to make-up all work following an absence.

Students have 1 day to make-up work for each day they are absent.

Make-up tests will be given during class time on the day the student returns to school.

Students absent for group activities must complete the activity by themselves as make-up work.

**PowerSchool/Parent Contact:**

Parents and students may check student progress at any time through Powerschool.

We will not send home any grade reports other than school wide required reports.

Email is the quickest and best way to contact us.

*Outside of school and class, communication via email must be through either parent email or student school email.*

*We may not communicate to students through their personal email.*

*Thank you for your understanding with this matter.*

## **Weebly:**

Filled in notes, worked out assignments, answers to test reviews, weekly agendas, and other helpful material will be posted to my Weebly page at

**<http://mrcromano.weebly.com>** .

Students will receive instructions to navigate this website.

It is expected that students will use my Weebly page to obtain make-up work.

Weebly may also be used to obtain study material for quizzes and tests.



## **Extra Help:**

We are available for extra help from 7:45 - 8:10 am, Warrior Period, or 3:30-3:45 pm except for our duty day.

The Math Department offers extra help on Wednesdays from 3:45-4:45 in B-8, no appointment is necessary.

Students are encouraged to come in and ask questions.

If a student has a lot of questions, please make an appointment so we can give you our undivided attention.

Please understand that teachers have meetings and other responsibilities in the mornings and afternoons, so discussing an appointment time with your teacher guarantees he/she will be there.

**Discipline Plan:**

All school policies and consequences in the student handbook will be followed.

All students are expected to come prepared for class with all necessary materials and conduct themselves in an orderly manner.

Students are expected to be in their assigned seats ready to begin class immediately after the tardy bell.

Any items that distract the teacher or students will be taken from the student.

Show everyone respect, stay focused (no sleeping or laying head on desk) and remain on task.

Only water in a clear container is allowed in the classroom and computer lab.

No food, candy, or gum is allowed in the classroom.

Students are not allowed to leave the room without a hall pass.

Detention will be assigned to students who do not follow the classroom discipline plan.

## **Cell Phone and Other Electronics Policy:**

Electronic devices should be off and out of sight unless otherwise instructed by the teacher.

## **Cheating:**

Any form of cheating will result in a zero.

## **Contact Information:**

Chris Romano

706-769-6655 (ext 3303)

[cromano@oconeeschools.org](mailto:cromano@oconeeschools.org)

Without the use of a calculator complete the worksheet

## **Five Little Problems**

Read and understand Problem #1.

Use that problem to help you answer #'s 2 through 5

**Given--Problem #1:** Best Buy had 513 computers to sale. Each computer cost \$3,470.  
From the sale of these computers, they made \$1,780,110.

$$\$3,470 \times 513 = \$1,780,110$$

**Problem #2:** As an end of school year activity, the fifth grade at Bear Elementary School decided to take a field trip to the circus. They needed to purchase 347 tickets at a cost of \$5.13 each. How much will they spend to attend the circus?

$$347 \times 5.13 = \underline{\underline{\$1,780.11}}$$

**Given--Problem #1:** Best Buy had 513 computers to sale. Each computer cost \$3,470. From the sale of these computers, they made \$1,780,110.

$$\$3,470 \times 513 = \$1,780,110$$

**Problem #3:** Near Hartford, Connecticut, a ferry boat sails 3,470 times a year and carries 5,130 people. How many people will have road the ferry in a years' time?

$$3470 \times 5130 = \underline{17,801,100}$$



**Given--Problem #1:** Best Buy had 513 computers to sale. Each computer cost \$3,470. From the sale of these computers, they made \$1,780,110.

$$\$3,470 \times 513 = \$1,780,110$$

**Problem #4:** Mira needs 51.3 yards of fabric to make a comforter and curtains. The fabric she has chosen costs \$3.47 per yard. What will be her total spending for fabric?

$$51.3 \times 3.47 = \underline{\underline{\$178.01}}$$

**Given--Problem #1:** Best Buy had 513 computers to sale. Each computer cost \$3,470. From the sale of these computers, they made \$1,780,110.

$$\$3,470 \times 513 = \$1,780,110$$

**Problem #5:** Chef Bobby Flay needed to buy mushrooms to use in a dish for a dinner party. He needed 5.13 kilograms of this particular type of mushroom. One kilogram of this type costs \$34.70. What will his total cost be?

$$5.13 \times 34.70 = \underline{\$178.01}$$

**Expectations:**

One person talks at a time

Raise your hand to talk

One person out of the room at a time

No Food or Drink except water in this room

No Cell Phones!!

You must have a pass to leave the room and sign out and back in.

## **Homework:**

Complete the Student  
Information Sheet

Get it signed by both you and  
your parents/guardians

Visit the class website and send  
me a message through Weebly,  
not through email!!

Complete the Who I Am sheet