



WESTSIDE CHRISTIAN ACADEMY
ELEVENTH GRADE MATHEMATICS 2015-2016

Instructor: Dr. Fantroy

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Welcome to **11th Grade Math: Algebra 2 and ACT Prep**. I look forward to facilitating your learning experience.

Algebra 2 examines basic elements of algebra and helps you discover the logic, order, beauty, and practicality of algebra. Please use your reasoning ability as you work with the axioms, rules, and principles of algebra.

ACT Prep builds confidence through preparation! Problems are broken down into easy-to-navigate sections. Students will learn basic approaches for each section of the test using techniques such as process of elimination POE and personal order of difficulty POOD. Examples and practice questions for English, Mathematics, Reading, Science, and Writing are incorporated into drills, review lessons, and practice tests.

INSTRUCTOR PROFESSIONAL AND EDUCATIONAL EXPERIENCE:

A native Detroit, I graduated from Cass Technical High School ♥ and after graduating from Michigan State University with a Bachelor of Science, I worked as a Project Engineering Manager at General Motors Corporation. Later I received an MBA and Doctorate degree from the University of Phoenix Online. I eventually switched careers and began teaching Business, Mathematics, Leadership, and ACT prep for Wayne County Community College, Davenport University, Ashford University Online, Princeton Review, and now Westside Christian Academy.

COURSE INFORMATION

REQUIRED TEXTS:

A Beka Book. (2009). *Algebra 2*. (2nd ed.). Pensacola, Florida.

Concepts are developed and mastered through an abundance of worked examples and exercises, with an emphasis on word problems that relate to the physical world. Reviews at the end of each unit measure progress, and special sections challenge the mathematically talented student. You may also use a scientific calculator that has the trigonometric functions, statistics, powers, and roots.

COURSE TOPICS:

- Introductory Review of Algebra
- Factoring
- Rational Expressions and Equations in One Variable
- Coordinate Geometry
- Variation and Dependence
- Systems of Equations
- Powers and Roots
- Exponents, Radicals, and Imaginary Numbers
- Quadratic and Higher Equations
- Logarithmic Functions, Exponential Functions, and Rational Functions
- Numeric Trigonometry
- Statistics and Probability

POLICIES AND PROCEDURES:

- Good attendance counts favorably towards your participation grade. Proactively make arrangements for missed work. I provide make-up assignments, extra credit, etc. at my discretion. I mark down late assignments by one letter grade, without an excused absence. Do your best to arrive on time.
- Please check your grades regularly via your Blackbaud.com Account.
- If WCA closes due to inclement weather, scheduled assignments and/or exams will resume the following class session.
- I am excited about your future as a young adult and your ability to manage conflict effectively. You are not allowed to use profanity, steal, hit or kick others, or show PDAs. I expect you to exemplify Christian character. HINT: Be the first person to apologize and learn to let things go.
- I will create a family atmosphere of learning and growth. I invite parents to volunteer to proctor, read, and assist with field trips. I will not allow name-calling. I expect you to take responsibility for your own actions and treat young men as brothers in Christ and young women as sisters in Christ.
- I love teaching and enjoy discussing Math. We will have lots of fun learning Math concepts. I do not accept backtalk. I ask that you trust me enough to know that whatever I ask is for your best interest.
- I respect everyone and their opinion. We can all agree to disagree. My goal is to help you refute barriers or stereotypes you encounter. I have VERY high expectations of you. You are not allowed to use the words, "I can't..." INSTEAD "I look forward to you showing me how to..." Any student found cheating on an examination or assignment will receive an F.
- I will allow you to whisper. However, you are not allowed to be loud or disruptive and should remain seated unless otherwise directed.
- I am available at the listed email address. I am also available before and after class. PLEASE feel free to contact me with any comments, questions, or suggestions regarding this course and/or the course material.
- I take your learning and well-being very seriously. If you feel hurt or threatened please report it to myself or another school official. We can help you avoid escalating an incident or retaliating and hurting yourself and/or others.
- I expect a peaceful learning environment AT ALL TIMES. I expect students to abide by WCA's code of conduct. Use of cell phones, MP3s, etc. is prohibited!!! We are all ONE team heading towards the same goal of learning and growing together!!!

Parent Signature

Date

Student Signature

Date

GRADING/ASSESSMENT

| | |
|------------------------------------|-----------|
| Exams | 50 Points |
| Math Journal, Notes & Vision Board | 25 Points |
| Quizzes and In-Class Assignments | 10 Points |
| Participation Grade | 5 Points |
| Homework Assignments | 2 Points |

REWARDS: 🍷

Snacks
Supplies
Homework Pass
Extra Credit
Pizza Party

PENALTIES: 🚫

Verbal Warning
Deduct Points
Student Calls Parent
Referral
Suspension

**Please Read And Be Prepared To Discuss Assigned Chapters As Directed Each Week.
Also Be Prepared to Take Notes, Which Can Be Used During Quizzes and In-Class Assignments.**

#GivingBack!

#FamilyChurchCommunity

#PrayerFocus:

- Confess The Word (Romans 10:8)
- 10 Times Better Living God's Way (Daniel 1:20)
- Peace in Home (Acts 16:31, Isaiah 26:3)
- Commitment to Education and Study (2 Timothy 2:15, John 14:26)
- Seek God for Purpose (Romans 8:28)
- Avoid Drugs and Gang Violence (1 John 2:15-17)
- Save Sex for Marriage (1 Corinthians 6:20, 1 Thessalonians 4:3-4)
- Live Prosperous and Healthy (3 John 2)
- Friendship, Love and Support (Proverbs 18:24)

#Entrepreneurs

√x

#Jesus SWAG

CHRISTIAN HIP HOP ADVISORY EXTREME WORSHIP

KEEP CALM AND LOVE MATH

WC WESTSIDE CHRISTIAN ACADEMY

#KingdomMillionaires! Math

KEEP CALM AND WATCH GOD MOVE #WAITING

#CHAMPS

0.999... = 1

$\sqrt{2} \approx 3.14$

$\sqrt{2} + 2 = 3$

$101_2 = 5_{10}$

$\sqrt{-1}$ ❤️

2 > 3

$\frac{1}{x} = x^{-1}$

$\frac{1}{5^2} = 5^{-2}$

$\frac{1}{(1-2)^2} = 5^2$