

Algebra II

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About Me:

- Doctorate in Education, Liberty University
- Taught in Oklahoma's public, private, and charter schools for 15 years
- Homeschool dad for the past 12 years (has four children aged 13-21)
- Currently works as an aerospace safety data scientist

Course Description:

- Pre-requisites: Algebra I (required), Geometry (strongly recommended)
- This course addresses all topics typical of an Algebra II course aligned to national standards, including quadratic, rational, polynomial, radical, exponential, and trigonometric functions, complex systems of equations, and logarithms.

Tuition: \$50 per month

Required Materials:

Teaching Textbooks Algebra II 2.0 textbook with Answer Key

RECOMMENDED SOURCE (New):

I will order materials in July through a bulk order. The amount per student is dependent on the

number of books I order. At MOST, cost will be \$80 and includes the text and answer key. You'll reimburse me via Venmo or CashApp, and I'll have your child's materials at Orientation on Monday, August 17.

ALTERNATIVE SOURCE (Used):

You may find your own used copy online, but be sure you're purchasing the 2.0 textbook and

the 2.0 Answer Key (two separate products), and NOT a CD set. You will not need the CD set at all. Please note that used copies online may not contain all pages - read descriptions carefully.

OVER

Writing instrument - Pencil STRONGLY recommended, but blue or black pen is acceptable.

Eraser - Pentel Hi-Polymer Eraser recommended.

Scratch paper - For showing work, or may complete assignments on separate paper if desired.

Recommended Materials:

TI-83 or TI-84 Calculator. Algebra II can be done by hand, but for conventional practice, I allow calculators on all assignments and tests.

Several low-cost calculator apps emulate the TI-84. I personally use “Calculate84” for the

iPhone - it does everything needed through Pre-Calculus. NOTE: Phone apps are NOT allowed for use on the ACT or SAT; you will need an actual graphing calculator for those exams.

Highlighters. Your student may want to highlight important parts of the textbook.

Course Load and Grading Structure:

Weekly Assignments: 3-5 problem sets per week (approx 1 hour each), graded for completion

Tests: One per chapter, graded for work shown and correct answer

Spring Semester Final Exam: 60-question comprehensive final, graded for correct answers only

Additional Help:

For students who prefer books, I recommend

“Everything You Need to Ace Algebra 2 in One Big Fat Notebook”
ISBN 978-1-5235-2592-8

For students who prefer online videos, I recommend (alphabetically)

IXL - <https://www.ixl.com/math/algebra-2>

Khan Academy - <https://www.khanacademy.org/math/algebra2>

VirtualNerd - <https://www.virtualnerd.com/algebra-2>

Tutoring:

Should a student require ongoing support, parents may contact me to arrange one-on-one tutoring at an additional fee.