

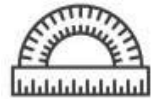
# Algebra I

Dr. Scott Filleman  
scottfilleman@gmail.com



## 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-requisite: Pre-Algebra.
- This course addresses all topics typical of an Algebra I course aligned to national standards, including linear equations and inequalities, rational expressions, exponents, quadratic equations, functions, and polynomials. This course meets all requisites for Geometry.

**Tuition:** \$50 per month

## Required Materials:

Teaching Textbooks Algebra I 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 I can be done by hand, which is the better way to “do” math. But, for speed, convenience, and 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 (45-min to 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 Pre-Algebra & Algebra I in One Big Fat Notebook”  
ISBN 978-1-5235-0438-1

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

IXL - <https://www.ixl.com/math/algebra-1>

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

VirtualNerd - <https://www.virtualnerd.com/algebra-1>

### **Tutoring:**

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