Algebra 2

Instructor: Kellie Hudson

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Short Bio: Dedicated Christian, involved in missions

Stay-at-home mom with two young boys

Bachelor’s Degree in Math

Master’s Degree in Educational Technology

Taught JH/HS Math for 7 years in public school system

Coached JH/HS Softball for 5 years

Taught at ACA for 7 years

Homework/Grading:

* Grading of all homework and tests will be expected to be done at home during the other days of the week. While I will not grade papers, I will make myself available via text or email if any questions or issues arise. You can get a hold of me quicker by text.

Materials needed:

* Math U See Algebra 2 Textbook
  + Student kit
    - Textbook
    - Workbook
    - Test booklet
  + Notebook paper and pencil
  + Calculator, Casio fx-115 ES Plus or Casio fx-991 ex Class Wiz are good and basic enough…less than $15 and are allowed on the ACT

Here is a rough view of the layout of our studies. We may need to extend the more difficult lessons into the next week if needed. We will adapt as needed for the students to understand and master the topic. There is a lot of information that we will plan to cover and we’ll do the best we can to get through it.

Week 1: Exponents

Week 2: Rational Expressions

Week 3: Combining Like Terms and Scientific Notation

Week 4: Radicals and Basic Operations of Simplifying

Week 5: Factoring (lesson 5a)

Week 6: Factoring Rational Expressions (lesson 5b)

Week 7: Fractional Exponents

Week 8: Imaginary and Complex Numbers

Week 9: Conjugates

Week 10: Binomial Theorem and Pascal’s Triangle

Week 11: Completing the Square

Week 12: Quadratic Formula

Week 13: Discriminants

Week 14: Applications Using Percents

Week 15: Isolating One Variable

Week 16: Ratios/Unit Multipliers/Metric Conversions

Week 17: Distance=Rate x Time

Week 18: Motion Problems

Week 19: Graphing Lines: Slope-Intercept Formula

Week 20: Conic Sections

Week 21: Parabolas

Week 22: Hyperbolas

Week 23: Solving Systems of Equations

Week 24: Coins, Consecutive Integers, and Mixtures

Week 25: Age and Boat in the Current Problems

Week 26: Solving Equations with 3 Variables

Week 27: Vectors

Week 28: Review

Week 29: Review