Pre-Algebra

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 for4 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.

Materials needed:

* Math U See Pre-Algebra Textbook
  + Student kit
  + Math U See manipulative blocks (optional)
  + Math U See algebra/decimal inserts (optional)
  + Notebook paper and pencil
  + Calculator (optional)
  + https://store.demmelearning.com/math-u-see/secondary-math/prealgebra

Prerequisite:

* Master the basic operations, fractions, and decimals.

Here is a rough view of the layout of our studies. We may combine the simpler lessons and 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. I would also like to leave some extra space here and there for an activity or project, if it fits with our lesson. There are actually 33 weeks of instruction; we will adjust our lessons as we go.

Week 1: Negative Numbers, Addition

Week 2: Negative Numbers, Subtraction

Week 3: Negative Numbers, Multiplication

Week 4: Negative Numbers, Division

Week 5: Exponents

Week 6: Place Value

Week 7: Negative Numbers with Exponents

Week 8: Root and Radicals

Week 9: Solve for an Unknown

Week 10: Pythagorean Theorem (possible 2 week lesson)

Week 11: Associative and Commutative Property

Week 12: Distributive Property (may combine with previous week)

Week 13: Solve for an Unknown

Week 14: Solve for an Unknown

Week 15: Surface Area of Solids (possible 2 week lesson)

Week 16: Transform Celsius to Fahrenheit

Week 17: Transform Fahrenheit to Celsius (may combine with previous week)

Week 18: Absolute Value

Week 19: Ratio and Proportion (possible 2 week lesson)

Week 20: Similar Polygons

Week 21: Least Common Multiple

Week 22: Greatest Common Factor

Week 23: Polynomials, Addition

Week 24: Volume of a Cylinder

Week 25: Polynomials, Multiplication (possible 2 week lesson)

Week 26: Adding and Subtracting Time

Week 27: Volume of a Pyramid and Cone (possible 2 week lesson)

Week 28: Military Time, Addition and Subtraction

Week 29: Measurement, Addition and Subtraction

Week 30: Irrational Numbers (possible 2 week lesson)

Week 31-33: Review or whatever needs attention