

Algebra 1  
Providence Extension Program  
2023-24 School Year

Tutor:

Dabney Holland

Contact Information:

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Text:

McDougal-Littell Algebra 1, Larson

Worked Out Solution Key

Overview:

Algebra is a branch of mathematics that uses symbols to represent whole sets of numbers and the operations representing them to one another. It is the first order of mathematics in which real-world problems were solved by methods of abstraction, an ancient tool of learning used by early Greek mathematicians and scientists, such as Archimedes and Pythagoras. They were the first to distill the main components of a problem and resolve it abstractly and apply it to many real-world problems. This course will begin with a review of Pre-Algebra skills and will progress to include translating words into algebraic expressions, equations, and inequalities; working with signed numbers; solving, graphing, and writing linear equations and inequalities from given conditions; solving systems of equations and inequalities; polynomials and factoring; and exponential, quadratic, radical and rational functions. It is foundational to all further mathematical study, including Geometry and Algebra II. Our course will emphasize the fact that mathematics was not invented by man but rather revealed to him by God through creation.

PEP Classes and Supplies:

In addition to the textbook and solutions manual, each student will need the following supplies:

- spiral notebook or 3-ring binder (1½ inch is ideal) with notebook paper
- graph paper
- pencils (can be mechanical) and sharpener
- erasers
- red and black/blue pens for corrections
- colored pencils
- calculator with a square root function (not to be used until later in the course)
- letter-sized envelopes for returning completed tests

When arriving to class, each student should be prepared with the necessary supplies, assignments, and a signed assignment sheet. Students should be punctual and in their seats at the scheduled time. All completed assignments and weekly assignment sheet should be stapled together and ready to be turned in. Our time is limited, so we will need to begin promptly and remain on task.

Respect of others is integral to our classroom environment; therefore, students should refrain from any activities that would distract from the learning environment.

Please remember to:

Use the restroom between classes.

Use a self-collecting sharpener during class.

Hold your trash until you exit the room.

Refrain from disruptive behavior and sidebar conversations.

Homework:

Please expect an average of one hour of math work at home for each weekday (five hours total for the week). If your student is taking much longer than this and you feel that they are staying focused, please let me know. (On the first day of class, students will receive a handout on Assignment Guidelines with comprehensive instructions on how to do the homework.)

All assignments, excluding tests and quizzes, will be checked by a parent and then graded for completion by the tutor. Assignments turned in 1 PEP day late will receive a 20% grade deduction, and assignments turned in 2 PEP days late will receive a 30% grade deduction. With the exception of extraordinary circumstances, work will not be accepted for credit more than one week after the due date.

Tests:

With a few exceptions, tests will be given at the end of each chapter and should be administered by the parent at home. All tests are closed-book, closed-note, unless otherwise instructed, and must be completed in pencil. Tests should be completed neatly, without the help of a calculator (unless instructed otherwise), and all work must be shown on notebook paper to receive full credit. Please place completed tests in a sealed envelope with the parent's signature over the flap to be turned in to the tutor for grading.

Grading:

The quarterly grades will be determined in the following manner:

- Corrected Homework – 35%
- Tests – 50%
- Quizzes – 5%
- Class Participation and Conduct – 10%

A= 100-90 B=89-80 C=79-70 D=69-60 F=59-0

I look forward to partnering with family in the upcoming year! Please let me know of any questions or concerns you have or that may arise. I will make every effort to return your emails within 24 hours and your phone calls during weekday hours of 9:00 a.m. and 7:00 p.m.

(Please sign this page and bring it to class with you on the first day.)

I have read the course syllabus and will abide by the requirements for this class as explained by Mrs. Holland.

\_\_\_\_\_  
Student signature

\_\_\_\_\_  
Parent signature

\_\_\_\_\_  
Date