



# PIONEERS Co-Op

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## Overview of **ALGEBRA I** (Grades 8-12)

**Tutor:** Mrs. April Butterfield  
517-612-9632  
a.gillett@yahoo.com

**Required Curriculum:** *ABeka Algebra I; Order code:155098*  
*Abeka Algebra 1 Solution Key*

**Prerequisite:** **\*\*Parent/student corrects work &**

- Pre-Algebra **checks completion daily\*\***
- Automatic recall of basic math facts and understanding of Fundamental Operations (+,-,x,÷)
- Comfortable operating on fractions

### Supplies:

- Pencils, erasers, 1 ½" binder (no spiral notebooks please) about 200 sheets of lined looseleaf paper, at least 4 pockets for papers, ruler, and graph/grid paper
- **REAL** Texas Instruments calculator (TI 30) — cell phone cannot be used

**Technology:** Microsoft Teams for accessing grades, videos, messages

### Course Description:

This is a high school level class with quizzes and a semester exam. Expect daily work to take one to one-and-a-half hours per day. Expectations are that students turn in work completed on time, willing to ask questions over concepts they need help with, and that parents will be involved with the process and making sure that their students are keeping up with schedules. Many lectures will be assigned to watch on video, so internet access is a must. Homework is turned in each onsite week to help with accountability, checking organization, completeness, neatness, and timeliness.

"Class Preparedness" will be recorded based on student's book, pencils, and homework being brought to class, timeliness, note-taking, and willingness to ask questions and participate in class.

### Topics of the Class Include:

- Real Numbers and the Language of Algebra
- Linear Equations in One Variable
- Linear Equations in Two Variables
- Linear Inequalities
- Systems of Equations
- Polynomial Arithmetic
- Polynomial Factoring
- Radical Expressions and Equations
- Quadratic Equations
- Statistics and Probability

**Student Evaluation:** Students will receive a percentage grade each semester based upon the following:

Homework	35%
Quiz and Test Average	35%
Semester Exams	20%
Class Preparedness	10%

#### Grading Scale

90-100%	=A
80-89%	=B
70-79%	=C
60-69%	=D
Less than 60%	=E

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*\*Pioneers Co-op is a cell group of the PIONEERS Home Education Support Services, a 501C-3 non-profit educational ministry*