



PIONEERS Co-Op

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Overview of BASIC MATH (Grades 7/8)

Tutor: Mrs. Kim Darnell
517-414-5011 (texts preferred)
kimberly.darnell@gmail.com

Text: *Intermediate Mathematics Student Book/Work-Text* (Abeka Item # 294012)
Intermediate Mathematics Solution Key (Abeka Item # 294047)

NOTE: Parents expected to correct homework

Tutor Note: There is a lot of overlap between the two Abeka courses listed on PIONEERS *Class Descriptions* — "Basic Mathematics" and "Pre-Algebra." In fact, I believe both courses can fulfill preparation for Algebra. It is our intent to offer Basic Mathematics in alternating years or as needed. The student who completes Basic Mathematics and feels confident with the material is ready to move to Algebra. The student who needs more practice can get that by taking Pre-Algebra the following year.

Supplies:

- Pencils, eraser
- 1 ½" or 2" – 3 ring Binder
- About 200 sheets of Lined Paper + some Graph Paper, all 3-hole punched and in Binder
- At least 4 pockets for loose papers in either a Folder (3-whole punched) OR Dividers
- Ruler

Technology: Microsoft Teams (weekly videos will be posted to Teams)

Class Description: This work-text gives a strong review of all arithmetic concepts and skills that focus on basic algebra, giving the student the foundation he or she needs to enjoy and succeed in high school algebra.

"Class preparedness" will be recorded each week based on student's homework being brought to class, timeliness, and student's willingness to ask questions and participate in class activities.

Workbook Units Include:

- Number Basics/Rounding
- Place Value/Fractions
- Decimals
- Ratio and Proportion
- Percent Basics
- Measurements
- Introduction to Algebra
- Properties of Arithmetic
- Introduction to Graphing
- Sequences
- Polynomial Arithmetic
- Dimensional Analysis
- Introduction to Solving Equations
- Pythagorean Rule and Trigonometry

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

Homework	40%
Quiz and Test Average	30%
Class Preparedness	10%
Semester Final Exam	20%

Grading Scale

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