



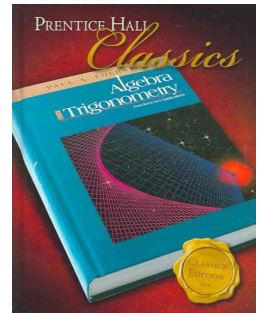
PIONEERS Co-Op

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Overview of **ALGEBRA II: Intermediate Algebra** (Grades 9-12)



Tutor: Mrs. Joellen McAninch
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Required Text:

- **Algebra and Trigonometry: Functions and Applications** by Paul A. Foerster by Addison-Wesley Publishing (ISBN 978-0201861013) or Prentice Hall Classics (ISBN 978-0131657106)

Available for a rental fee of \$30.00 per year from Pioneers.

Note: Same textbook to be used in Precalculus, the next math course.

Recommended Supplement (Optional):

- **Home Study Companion: Algebra 2/Trig**
Available from MathWithoutBorders.com \$129 as a digital download

This material is based upon the same textbook used in class. It contains daily lectures and also works out many of the homework answers. It will also work for Precalculus, the next math course.

Prerequisite: Algebra I

Supplies: Scientific calculator (eg. TI-30Xa), access to Excel or similar for graphing



Student Evaluation:

	<u>% of semester grade</u>
Homework	30%
Class Preparedness	5%
Quizzes and Tests	40%
Semester Exam	25%

<u>Grading Scale</u>	
90-100%	=A
80-89%	=B
70-79%	=C
60-69%	=D
Less than 60%	=F

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. Some topics to be studied include:

- Functions and Relations
- Linear Functions
- Systems of Linear Equations & Inequalities
- Quadratic Functions and Complex Numbers
- Exponential and Logarithmic Functions
- Rational/Irrational Algebraic Functions