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LIVE CLASSES

Pre-Algebra

Mrs. Katie Pennington

Syllabus

2024-2025

Description:

Pre-algebra is meant to start laying a base foundation of algebra while providing the student with proficiency in arithmetic operations, including positive and negative numbers, fractions, decimals, and percentages. It also starts to introduce geometry, area and volume, and polynomials.

Although it is important for the students to understand, memorize, and be able to apply the theorems that are learned in this course, the most important aspect is to understand the application of mathematics from a Biblical worldview and develop a greater desire to serve God and others. Therefore, this course will be taught with the application of biblical principles throughout, always using mathematics to point us back to our Creator.

Prerequisites:

None.

Course Materials:

- BJU Press. *Pre-Algebra Student Text*. 3rd ed. Greenville, SC: BJU Press, 2023. (ISBN: 978-1-64626-010-2)
- Scientific Calculator—A calculator won't be used much, so any scientific calculator will work.
- Lined Notebook—You will need a couple of lined notebooks for this class to work problems in.
- Graphing Paper
- The ability to Scan/Upload Assignment Work as a PDF—You will be required to complete your work using pen and paper and, therefore, will

need some way of scanning/uploading your assignment. You can do this one of two ways:

1) If you have a smartphone or tablet with a camera, then you can get the [FREE Adobe Scan App](#). It is available on Android and Apple smartphones. This powerful app allows you to take a picture of your handwritten work and will automatically convert it into a PDF. From there, you can email the document to yourself to access it on your computer for upload.

2) You can use a modern scanner/printer to scan multiple pages to your computer and save them as a PDF.

Course Progression:

Date	Lecture Plans	Date	Lecture Plans
Aug 19	Chapter 1	Aug 21	Chapter 1
Aug 26	Chapter 1	Aug 28	Chapter 1 Review
Sept 2	No Class-Labor Day	Sept 4	Chapter 2
Sept 9	Chapter 2	Sept 11	Chapter 2 Review
Sept 16	Chapter 3	Sept 18	Chapter 3
Sept 23	Chapter 3	Sept 25	Chapter 3 review
Sept 30	Chapter 4	Oct 2	Chapter 4

Oct 7	Chapter 4	Oct 9	Chapter 4 Review
Oct 14	Chapter 5	Oct 16	Chapter 5
Oct 21	Chapter 5	Oct 23	Chapter 5 Review
Oct 28	Chapter 6	Oct 20	Chapter 6
Nov 4	Chapter 6	Nov 6	Chapter 6 Review
Nov 11	Chapter 7	Nov 13	Chapter 7
Nov 18	Midterm Exam Prep	Nov 20	Midterm Exam Prep
Nov 25	No Class-thanksgiving	Nov 27	No Class Thanksgiving
Dec 2	Chapter 7	Dec 4	Chapter 7 Review
Dec 11	Chapter 8	Dec 11	Chapter 8
Dec 16	Christmas Break	Dec 18	Christmas Break
Dec 23	Christmas Break	Dec 25	Christmas Break
Dec 30	Christmas Break	Jan 1	Christmas Break
Jan 6	Chapter 8	Jan 9	Chapter 8 Review
Jan 13	Chapter 9	Jan 15	Chapter 9
Jan 20	Chapter 9	Jan 22	Chapter 9 Review
Jan 27	Chapter 10	Jan 29	Chapter 10
Feb 3	Chapter 10	Feb 5	Chapter 10 Review

Feb 10	Chapter 11	Feb 13	Chapter 11
Feb 17	Chapter 11	Feb 19	Chapter 11 Review
Feb 24	Chapter 12	Feb 26	Chapter 12
Mar 3	Chapter 12	Mar 5	Chapter 12 Review
Mar 10	Chapter 13	Mar 12	Chapter 13
Mar 17	Chapter 13	Mar 19	Chapter 13
Mar 24	Chapter 13	Mar 26	Chapter 13 Review
Mar 31	Chapter 14	Apr 2	Chapter 14
Apr 7	No Class-Spring Break	Apr 9	No Class-Spring Break
Aug 14	No Class-Spring Break	Apr 17	No Class-Spring Break
Apr 21	Chapter 14	Apr 23	Chapter 14 Review
Apr 28	Final Exam Prep	May 1	Final Exam Prep
May 5	Final Exam Prep	May 7	Final Exam Prep

Assignment Structure:

Assessment	Percentage of Total Grade
Textbook Reading & Attendance	10%
Homework Assignments	15%

Quizzes	20%
Unit Exams	30%
Midterm/Final Exam	25%

Textbook Reading & Attendance

To receive the weekly points for textbook reading and attendance, students will answer the attendance questions found under each week's heading in the Canvas portal. Inside the attendance heading, students will state whether they attended the live lecture or watched the recording and whether they read the assigned material for that week. This is on the honor system, and students are expected to be truthful.

Homework Assignments

Problems will be handpicked from the textbook for each lesson as homework. These problems will be under the 'exercise' section in your book. It is required to complete these problems after each lesson to practice what was discussed in the lesson. Each week, students will be asked if they completed the homework. It will be a true/false question. It is very important that the student complete this homework, as quiz questions, exam questions, and the midterm and final exams will be based on these exercises. It will be on their honor to indicate whether or not they completed it.

Quizzes

There will be a short quiz due each Friday (unless otherwise specified). These quizzes will be timed, and consist of a few problems from the material covered for that week. Their purpose is to provide an opportunity for the

student to demonstrate his or her comprehension of the material. Students are to complete them using the appropriate activity on the Canvas course page. **For full credit, all work must be uploaded and clearly display each step in the process to the answer.** If I cannot see how an answer was achieved from the work given, even if the answer is correct, full credit will NOT be given.

Chapter Exams

There will be an examination at the end of each unit (unless otherwise specified). These will be longer than the weekly quizzes and will be different but similar to the exams found in the book. Students should use their books, exercises, and quizzes to study. These will be closed-book exams, and **all work must be uploaded and should clearly display each step in the process to the answer.** If I can't see how the answer was achieved from the work given, even if the answer is correct, full credit will NOT be given.

Midterm/Final Exams

These exams are on all of the material studied up to that point. The midterm will be given right before Thanksgiving break and will cover all of the units that we have covered so far. The final exam will be the last assignment due and will cover all of the units that were learned. These exams will be closed-book, timed exams. You will have 4 hours to complete each exam, and **must upload your work. Each step must be clearly displayed in getting to the answer.** To study for these exams, use your book, the homework assignments, quizzes, and unit exams.

Due Dates and Late Policy:

Students are encouraged to print a copy of the weekly assignments for personal reference. They should either keep it with their algebra materials or tape it to a wall near their workstations.

Students are responsible for keeping track of all scheduled due dates and for any changes announced during lectures and/or on Canvas. The instructor reserves the right to change due dates at any time but must give students notice at least one week in advance.

All deadlines are 11:59 p.m. Eastern Standard Time (EST). A late penalty of 10% will be applied for every additional **week** that an assignment/exam is late. Parents can request extensions via email for situations beyond the student's control. All extension requests must be received by Friday at 5 P.M. EST (Family emergencies are an exception). If an extension is requested, please explain the situation in the email. If the extension is approved, all late penalties will be waived. Students with extensions should post an exam comment with a reminder of the granted extension.

Class Canvas Portal:

Students will access the course through the Canvas course portal:
<https://apologia.instructure.com/login/canvas>

Weekly Live Lecture:

Mondays & Wednesdays, 9:00 - 9:30 a.m. EST

The best way to understand this course material is to have students read the textbook and work problems on their own. Repetition is the best way to get the material stuck in your brain. After they have done this, they should come

to the classes and treat it like a review and opportunity to ask questions and clarify difficult material.

Help and Questions Outside of Live Class:

I can be reached directly via email at mrspennington@apologia.com. if personal issues or questions arise that cannot be posted on the entire class discussion on Canvas. The best time to contact me via email (for the fastest response) is Monday-Friday 12 p.m.-2 p.m. You can email me anytime, though, and I will get back to you within 12-24 hours. I will do my absolute best to get back to you ASAP.