

Pre-Algebra

Fall 2020 – Session 1

Instructor: Lyra Porcasi

Syllabus

Class objectives: This course is designed to follow the CCSS for 7th grade, and is an equivalent course for 7th grade math. In session 1, students will learn how to solve a variety of linear algebraic equations, and how to apply them in problem solving.

Topics covered:

1. Review order of operations and problem solving strategies,
2. Review factor trees and prime factorization
3. Review finding LCD and reducing, improper fractions and mixed numbers
4. Add and subtract rational numbers (positive, negative, fractions, and decimals)
5. Multiply and divide rational numbers (positive, negative, fractions, and decimals)
6. Convert fractions to decimals to percents, and vice versa
7. Ordering positive and negative rational numbers (fractions, decimals, and percents)
8. Tessellations

Special Project: Name and Age in Mathematical and Symbolic Languages Project

Required materials for class every day: Single subject spiral bound notebook (100+ pages), pencil w/ eraser, scientific calculator (suggested TI-30), ruler.