

Pre-Algebra
Winter 2021 – Session 3
Instructor: Lyra Porcasi
Syllabus

Class objectives: The Pre-Algebra course is designed to prepare students for Algebra. It follows the CCSS for 7th grade math. In session 3, students will learn about proportional relationships and 2-dimensional geometry and how to solve problems involving those topics.

Topics covered:

1. Unit Rates
2. Recognize and represent proportional relationships
3. Solve multi-step percent problems
4. Identify the constant of proportionality (slope)
5. Solve multi-step proportions
6. Scale drawings
7. Real-World applications of area and surface area of shapes and prisms
8. Area and circumference of circles

Special Projects: Mr. Brown's House, and Area Dissection

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