

Helena Public Schools
High School Mathematics
Pre-Algebra - Teacher Resource

Over-riding practices:

- Graphical, Analytical and numerical relationships
- Word Problems / Problem Solving
- Comfort with “unfriendly” answers

Focal Points	
Order of Operations & Properties	<ul style="list-style-type: none"> • Students should be well versed in the order of operations and all properties, most particularly the distributive property.
Integers & Fractions	<ul style="list-style-type: none"> • There will be a period of time designated within this course for direct instruction of operations involving fractions and integers.
Single Variable Equations	<ul style="list-style-type: none"> • Students will become comfortable using variable within expressions and equations. They will evaluate expressions by substituting specific values for a variable. They will also be able to solve a variety of single variable equations.
Linear Equations	<ul style="list-style-type: none"> • Students will be able to graph linear equations given in slope-intercept form. They will also be able to calculate slopes of lines given two points.

Maintenance Topics

	<ul style="list-style-type: none"> • Geometry concepts of area, volume and surface area. • Triangle sum theorem. • Measures of central tendency. • Adding, Subtract, Multiply and Divide Integers • Adding, Subtract, Multiply and Divide Fractions
--	--