

Algebra 1st Semester

The exam will contain Multiple Choice questions and Short answer questions. You may use your scientific calculator for the entire exam. There will also be patty paper, rulers, and scratch paper available.

It is strongly recommended that you spend quality time reviewing all tests and quizzes as well as looking through the notes you took during class. Don't procrastinate!!

Test Dates:

Wednesday, January 24th
5th: 11:05am – 12:35pm
6th: 2:15pm – 3:45pm

Thursday, January 25st
3rd: 8:00am – 9:30am
4th: 9:40am – 11:10am

Friday, January 26nd
1st: 8:00am – 9:30am
2nd: 9:40am – 11:10am

Chapter 1:

Classifying Numbers
PEMDAS
Absolute Value Solving

Solving for x
Word Problem Solving
Solving & Graphing Inequalities

Chapter 2:

Point-Slope Form
Slope
Equation of a Line

Slope-Intercept Form
Parallel & Perpendicular Lines

Standard Form
Residuals

Chapter 3:

Proportions
Dimensional Analysis

Graphing Lines
Proportion Word Problems

Solving for a Variable

Chapter 4:

Quadrants
Factoring

Distributing
Inverse Variation

Direct variation
Greatest Common Factor

Chapter 5A:

Graphing Systems
Substitution
Solutions: *one solution, no solution, infinite solutions*

Rewriting Equations
Elimination

Identifying Points
System Word Problems

Chapter 5B: Graphing inequalities on a number line
Graphing a system of inequalities on a number line
Inequality word problems

Chapter 6:

Sequences: *recursive formula, exponential equation, finding terms*
Writing Exponential equations to model situations
Using properties of exponents
Percent of growth/decay

Constant Multipliers
Using equations to solve
Understanding graphs of exponential functions

Notes

- The grade you have earned after your final exam is done will be the grade you receive for 1st Semester. I do not round final grades (see Course Expectations).
- Check your grades on Skyward tonight. If you think I have made a mistake, please email me immediately.