**Algebra1**

**Semester 1 Final Exam**

**Exam Date – Wednesday 15 December 2010**

Variables

Order of Operations

Exponents

Real Numbers

Functions

Scatter Plots

Data Plots – (Dot Plots)

Stem and Leaf Plot

Measures of Center

Box and Whisker Plots

Rational Numbers

Distributive Property

Algebraic Properties

Probability

Compound Probability

Permutations and Combinations

Solving One Step Equations

Solving Two Step Equations

Solving Multistep Equations

Solving Equations with variables on both sides of the equal sign

Solving equations for a specified variable

Solving Problems with fractions

Ratios and Proportions

Percent Change

Weighted Averages

Coordinate Plane

Transformations

Relations

Equations as Relations

Slope

Direct Variation Problems

Slope Intercept Form **y = *m*x + b**

Point Slope Form 

Perpendicular and Parallel Lines

X and Y intercepts

Horizontal and Vertical Lines

Solving Inequalities

Graphing Inequalities

Compound Inequalities – Two inequalities joined by “and” or “or”

Absolute Values

Graphing Two Variable Inequalities

One sheet of paper may be used for notes during the final exam. The final exam is 1 hour, 55 minutes.