**Absolute Value Equations 3-7** Absolute Value Functions 5-8 Absolute Value Inequalities 3-7 Adding and Subtracting Real Numbers 1-5 Arithmetic Sequences 4-7 Binomials – Multiplying 8-3 Completing the Square 9-5 Conversions 2-6 Decay - Atomic 7-7 Direct Variation 5-2 Discriminant 9-6 Distributive Property 1-7 Equation One-Step Solving 2-1 **Equations Literal 2-5** Equations Introduction 1-8 Equations Solving Multi-Step 2-3 Equations Solving Two-Step 2-2 Equations Solving with Variables on Both Sides 2-4 Exponential Functions 7-6 Exponential Growth 7-7 **Exponents - Division Properties 7-4** Exponents - Multiplication Properties 7-3 Exponents Multiplying Powers of Same Base 7-2 Expressions 1-1 Expressions 1-2 Factoring  $ax^2 + bx + c$ 8-6 Factoring  $x^2$  + bx + c 8-5 Factoring by Grouping 8-8 Factoring Special Cases 8-7 Formulas 2-5 Function Rule Graph 4-4 Function Rule Writing 4-5 Functions Formalizing 4-6 Geometric Sequences 7-8 Graphs to Relate Two Quantities 4-1 Inequalities 3-1 **Inequalities Compound 3-6** Inequalities Graphs 3-1 Inequalities Solving Multi-Step 3-4 Inequalities Solve by Addition or Subtraction 3-2 Inequalities Solve by Multiplication or Division 3-3 Inequalities Systems of Linear 6-6 Inverse Variations 11-6 Line Point Slope Form 5-4 Line Slope-Intercept Form 5-3 Line Standard Form 5-5 Linear Inequalities 6-5 Linear Programming Linear Systems Applications 6-4 Lines Parallel and Perpendicular 5-6 Models - Linear, Quadratic and Exponential 9-7 Multiplying and Dividing Real Numbers 1-6 Negative Exponents 7-1 Number Line 1-3 Order of Operations 1-2 Pattern Equations 1-9 Patterns 4-2

Patterns Linear Functions 4-2 Percent Change Expressed 2-10 2-9 Percent **Permutations and Combinations** 12-6 Polynomials - Multiplying Special Cases 8-4 Polynomials: degree, Terms, Add, Subtract 8-1 Polynomials- Dividing 11-3 Polynomials Multiplying and Factoring 8-2 Probability Experimental 12-7 Probability of Compound Events 12-8 **Probability Theoretical** 12-7 Proportions 2-7 Pythagorean Theorem 10-1 Quadratic Equations 9-2 Quadratic Equations - Solve by Factoring 9-4 Quadratic Equations Solving 9-3 Quadratic Formula 9-6 Quadratic Graphs 9-1 Quadratic Graphs Properties 9-1 Radical Equations - Solve 10-4 Radical Expressions Operations 10-3 Radicals 7-5 Radicals - simplify 10-2 Rates 2-6 Rate of Change 5-1 **Rational Exponents** 7-5 Rational Expressions - Add and Subtract 11-4 Rational Expressions - Multiply and Divide 11-2 Rational Expressions – Solve 11-5 Rational Expressions Simplify 11-1 Rational Functions – Graphing 11-7 Ratios 2-6 Real Numbers 1-3 Real Numbers 1-4 Relations Formalizing 4-6 Scatter Plots 5-7 Scientific Notations 7-4 Sets & Set Unions 3-5, 3-8 Sets Intersections 3-8 Similar Figures Proportions 2-8 Slope 5-1 Square Root Functions – Graph 10-5 Statistical Box-and-Whiskers Plot 12-3 Statistical Central Tendency 12-3 Statistical Data Organizing 12-1 Statistical Dispersion 12-3 Statistical Frequency 12-2 Statistical Histogram 12-2 Statistical Matrices Organizing 12-1 Statistics Samples 12-5 Statistics Surveys 12-5 Systems of Linear and Quadratic Equations 9-8 Systems Solving by Elimination 6-3 Systems Solving by Graphing 6-1 Systems Solving by Substitution 6-2 Trend Lines 5-7 Trigonometric Ratios 10-6 Variables 1-1

Zero 7-1

Math Instructor: Grace Imson

Patterns 1-9

Patterns Graphs 1-9