



**Class Title:** Red Algebra I

**Teacher Name:** Trish Poston

**Class Day:** Monday and Friday

**Class Size:** 10

**Class Cost:** \$50

**Class Fee:** \$192

**Ages or color group served:** Red

**What level is this class:** Level 3

**Prerequisites:** Students must have mastered Pre-Algebra concepts for this class:

- Order of Operations
- Arithmetic operations with Real Numbers (including integers, rational and irrational numbers)
- Properties of Numbers: Commutative, Associative and Distributive

**Graduation Requirements:** Passing grade of C or above

**Homework Requirements:** Must be completed and turned in

**Class Description:**

Algebra 1 extends students' understanding and application of functions. We'll be working with integers, simple equations with one variable, inequalities, systems of equations, exponents, roots and radicals to solving linear and quadratic equations.

**Week 1:**

- Intros and expectations, quick property and terminology review,

Homework: PreAlgebra Placement Test

- Combining like terms and Rules of Zero

Homework Assigned

**Week 2:**

- Review All Homework questions

Homework: TBD

- Solving Equations with One Variable and checking your work

Homework: TBD

**Week 3:**

- Go over Solving Equations

Homework: Study for Quiz

- Quiz One

**Week 4:**

- Solving and Graphing Inequalities

Homework: TBD

- Exponents and Exponents with Coefficients

Homework: TBD

**Week 5:**

- Exponential Expressions

Homework: TBD

- Raising to a Power and Negative Exponents

Homework: TBD, Study for Quiz

**Week 6:**

- Quiz Two

- Roots and Radicals

Homework: TBD

**Week 7:**

- Radical Expressions

Homework: TBD

- Quadratic Equations

Homework: TBD

**Week 8:**

- Factoring Quadratic Equations

Homework: TBD

- Factoring continued

Homework: TBD, Study for Quiz

**Week 9:**

- Quiz Three
- The Quadratic Formula

Homework: TBD

**Week 10:**

- Linear Equations

Homework: TBD

- Linear Equations continued

Homework: TBD

**Week 11:**

- Final Test Review

Homework: Study for Final Test

- FINAL TEST

**Week 12:**

- Review Test

- Celebrate Hard Work and Success!!