

## **Algebra 2A Final Exam Review**

Completed sections include chapter 1 (all), 2 (all), 3 (all), 4.1-4.8. For extra credit, the student will complete any section in the chapters listed below, at the website <http://www.coolmath.com/algebra>, or at [Regentsprep.org](http://Regentsprep.org).

In order to receive any credit, students will need to:

- complete 5 exercises for any subsection listed in Coolmath or all exercises for any subsection in Regentsprep.
- write all problems
- show all work
- identify the correct answer.

Extra credit will be awarded at the rate of 3 points per assignment, up to a maximum of 60 points (six homework assignments).

Extra credit must be turned in at the time of the final exam. Afterwards, none will be accepted.

### **Sections for Review at Coolmath:**

Systems of Equations  
Exponents  
Radicals  
Polynomials  
Factoring Polynomials  
Solving Equations  
Solving Inequalities (NOT interval notation)  
Solving Quadratics  
Complex Numbers  
Graphing Quadratics (Parabolas)  
Systems of Equations (2x2s)  
Systems of Equations (3x3s)  
Determinants and Cramer's Rule  
Functions (function notation 1 only)

Absolute Value Equations and Inequalities

### **Sections for Review at Regentsprep.org (longer ones count as 6):**

#### **Algebra 2:** Operations

Radicals  
Negative and Fractional Exponents

**Algebra 1:** Equations and Inequalities  
Systems of Linear Equations  
Linear-Quadratic Systems  
Graphing Linear Inequalities  
Systems of Inequalities

