**Algebra II Final Review Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Topic 1:** Properties and Attributes of Functions

Ch. 2

* + Pg. 72
  + Pg. 107
  + Pg. 113
  + Pg. 123
  + Review domain, range, continuous, discrete, positive, negative, increasing, decreasing in journal

**Topic 2:** Systems of Equations and Inequalities

Chs. 3 & 9

* p. 160
* p. 168
* p. 178
* p. 210
* p. 658

**Topic 3:** Representations of Quadratic Functions

Ch. 4

* pp. 236-251
* pp. 252-265
* p. 266
* p. 275 (Complex Numbers)
* p. 292
* p. 309

**Topic 4:** Polynomials and properties of exponents

Ch. 5

* p. 330
* p. 337
* p. 346
* p. 353
* p. 370

**Topic 5:** Rational Exponents and nth Roots

Ch. 6

* p. 412
* p. 414
* p. 420

**Topic 6:** Inverse Functions and Composition of Functions

Ch. 6

* p. 428
* p. 438
* Review notes in journal!

**Topic 7:** Properties and Attributes of Square Root Functions

Ch. 6

* p. 446
* p. 452

**Topic 8:** Exponential and Logarithmic Functions

* All of Chapter 7
* Review notes in journal!

**Topic 9:** Rational Functions

Ch. 8

* p. 558
* p. 565
* pp. 573-588
* p. 589

**Topic 10:** Conics

Ch. 9

* p. 620-649
* p. 650

Chapter Summaries and Reviews are crucial!

Review ALL notes in interactive journal

**Helpful websites:**

For class and tutorial videos:

[www.mssappsmathwebsite.weebly.com](http://www.mssappsmathwebsite.weebly.com)

For individual lessons and quizzes:

<http://www.regentsprep.org/Regents/math/algtrig/math-algtrig.htm>