

Algebra 2 Second Quarter Benchmark Test

Number	State Standard	Textbook Section
1	5.0 Students demonstrate knowledge of how real and complex numbers are related both arithmetically and graphically. In particular, they can plot complex numbers as points in the plane.	6-8
2	6.0 Students add, subtract, multiply, and divide complex numbers.	6-7
3	6.0 Students add, subtract, multiply, and divide complex numbers.	6-8
4	8.0 Students solve and graph quadratic equations by factoring, completing the square, or using the quadratic formula. Students apply these techniques in solving word problems. They also solve quadratic equations in the complex number system.	7-2
5	10.0 Students graph quadratic functions and determine the maxima, minima, and zeros of the function.	7-6
6	10.0 Students graph quadratic functions and determine the maxima, minima, and zeros of the function.	7-5
7	3.0 Students are adept at operations on polynomials, including long division .	8-3
8	5.0 Students demonstrate knowledge of how real and complex numbers are related both arithmetically and graphically. In particular, they can plot complex numbers as points in the plane.	6-7
9	6.0 Students add, subtract, multiply, and divide complex numbers.	6-8
10	8.0 Students solve and graph quadratic equations by factoring, completing the square, or using the quadratic formula. Students apply these techniques in solving word problems. They also solve quadratic equations in the complex number system.	7-1