

Algebra 2 First Quarter Benchmark Test

Number	State Standard	Textbook Section
1	1.0 Students solve equations and inequalities involving absolute value.	2-4
2	2.0 Students solve systems of linear equations and inequalities (in two or three variables) by substitution, with graphs, or with matrices.	1-9
3	2.0 Students solve systems of linear equations and inequalities (in two or three variables) by substitution, with graphs, or with matrices.	3-7
4	3.0 Students are adept at operations on polynomials, including long division.	4-3
5	4.0 Students factor polynomials representing the difference of squares, perfect square trinomials, and the sum and difference of two cubes.	4-5
6	4.0 Students factor polynomials representing the difference of squares, perfect square trinomials, and the sum and difference of two cubes.	4-5
7	7.0 Students add, subtract, multiply, divide, reduce, and evaluate rational expressions with monomial and polynomial denominators and simplify complicated rational expressions, including those with negative exponents in the denominator.	5-6
8	7.0 Students add, subtract, multiply, divide, reduce, and evaluate rational expressions with monomial and polynomial denominators and simplify complicated rational expressions, including those with negative exponents in the denominator.	5-2 & 5-5
9	7.0 Students add, subtract, multiply, divide, reduce, and evaluate rational expressions with monomial and polynomial denominators and simplify complicated rational expressions, including those with negative exponents in the denominator.	5-4
10	7.0 Students add, subtract, multiply, divide, reduce, and evaluate rational expressions with monomial and polynomial denominators and simplify complicated rational expressions, including those with negative exponents in the denominator.	5-5