

Math : Algebra 2

Grade 10



#	Essential Knowledge/Skill	Alignment
A	I can investigate problems, justify processes, employ reverse thinking, choose a problem-solving strategy, and generalize.	S – IC – ID
B	I can simplify algebraic expressions, solve algebraic equations, and utilize algebra to solve problems.	A – REI – 1-12
C	I can identify, graph, compare, and create different types of functions.	A – CED – 1-4
1	I can identify, graph, compare, and create different types of functions.	A – CED – 1-4
2	I can recognize and translate between all faces of Linear Functions, inclusive of shifts.	F-IF-1,2,3,4,5,6 F-LE A-REI
3	I can recognize and translate between all faces of Quadratic Functions, inclusive of shifts.	F-IF-7 F-LE-1,2
4	I can simplify algebraic expressions, solve algebraic equations, and utilize algebra to solve problems.	A – REI – 1-12
5	I can solve for points of intersection between systems of like functions, conic sections, and polynomial functions.	A-CED-3 A-REI-5-7,10-12
6	I can recognize and translate between all faces of Exponential Functions, inclusive of shifts.	F-IF-7e F-LE-1,2,3,4,5
7	I can recognize, simplify, and translate between all faces of Logarithmic Functions, in any base, inclusive of shifts.	F-IF-7e F-LE-1,2,3,4,5
8	I can recognize and translate between all faces of Rational Functions, inclusive of shifts.	F-IF-7d A-APR – 1-7
9	I can solve for probabilities of particular events using fundamental counting principles, permutations, combinations, and the binomial theorem.	S-IC-1,2,3,4,5,6

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