

## Algebra 2 Learning Targets

Target	“I can” Statement of Objective & CCSS Code
Alg201	I can interpret parts of, & use those parts to rewrite, an expression. A-SSE.a
Alg202	I can factor, complete the square, & use properties of exponents, to rewrite quadratic functions. A-SSE.b
Alg203	I can add, subtract & multiply polynomials. A-APR.a
Alg204	I can find zeros of polynomials. A-APR.b
Alg205	I can rewrite polynomials using long division. A-APR.c
Alg206	I can show & explain methods for solving equations & construct arguments defending the solutions, the number of solutions & the types of solutions, including extraneous ones. A-RE.IA
Alg207	I can solve linear & quadratic equations in one variable graphically & algebraically, including by completing the square. A-RE.IB and D
Alg208	I can represent & solve linear inequalities graphically & algebraically. A-RE.I
Alg209	I can graph functions to show intercepts, maxima & minima. F-IF.C
Alg210	I can demonstrate understanding of radian measure in the unit circle & determine the exact values of cosine, sine, & tangent for angles of multiples of $\pi/2$ , $\pi/3$ , $\pi/4$ , and $\pi/6$ . F-TF.a
Alg211	I can choose trigonometric functions to model situations with given amplitude, frequency & midline. F-TF.b
Alg212	I can create & use linear, exponential, quadratic & rational equations to solve problems; & use graphs, represent constraints & rearrange formulas. A-CED
Alg213	I can interpret, describe & sketch key features of graphs & tables (including domain) for linear, exponential & quadratic functions that model relationships between two quantities, including for given verbal descriptions of relationships. F-IF
Alg214	I can write an explicit expression & a recursive process to model a given context.
Alg215	I can write a function that describes a relationship between two quantities & identify the effect of transformations on the graph; & identify algebraic transformations shown on given graphs. F-BF.1a
Alg216	I can distinguish between situations that can be modeled with linear & exponential functions. F-LE
Alg217	I can find & interpret measures of central tendency & spread, including standard deviation. S-ID.A
Mth01	I can consistently & thoroughly complete & check assigned Review & Preview exercises.
Mth02	I can consistently & thoroughly make & maintain a neat & organized Interactive Notebook.
MP.1	I can make sense of problems and persevere in solving them. CCSS MP.1
MP.2	I can reason abstractly and quantitatively. CCSS MP.2
MP.3	I can construct viable arguments and critique the reasoning of others. CCSS MP.3
MP.4	I can model with mathematics. CCSS MP.4
MP.5	I can use appropriate tools strategically. CCSS MP.5
MP.6	I can attend to precision. CCSS MP.6
MP.7	I can look for and make use of structure. CCSS MP.7
MP.8	I can look for and express regularity in repeated reasoning. CCSS MP.8