MATH 2 IXL.com by Unit

Unit 1: Transformations & Symmetry

- Geometry L.1 Classify congruence transformations
- Geometry L.2 Translations: graph the image
- GeometryL.3 Translations: find the coordinates
- Geometry L.4 Translations: write the rule
- Geometry L.5 Reflections: graph the image
- Geometry L.6 Reflections: find the coordinates
- Geometry L.7 Rotate polygons about a point
- Geometry L.8 Rotations: graph the image
- Geometry L.9 Rotations: find the coordinates
- Geometry L.10 Compositions of congruence transformations: graph the image
- Geometry L.11 Transformations that carry a polygon onto itself
- Geometry L.12 Congruence Transformations: mixed review

Unit 2: Congruence, Constructions, & Proofs

- Geometry K.1 SSS and SAS Theorems
- Geometry K.2 Proving Triangles congruent by SSS and SAS
- Geometry K.3 ASA and AAS Theorems
- Geometry K.4 Proving Triangles congruent by ASA and AAS
- Geometry K.5 SSS, SAS, ASA, and AAS Theorems
- Geometry K.6 SSS Theorem in the coordinate plane
- Geometry K.8 Proofs involving corresponding parts of congruent triangles
- Geometry K.11 Hypotenuse-Leg Theorem

Unit 3: Quadratic Functions

- Algebra 2 K.1 Polynomial vocabulary
- Algebra 2 K.2 Add and subtract polynomials
- Algebra 2 K.3 Multiply polynomials
- Algebra O.1 Add and subtract functions
- Algebra O.2 Multiply functions
- Algebra 2 D.1 Domain and Range
- Algebra 2 D.2 Identify functions
- Algebra 2 J.1 Characteristics of quadratic functions: graphs
- Algebra 2 J.2 Characteristics of quadratic functions: equations
- Algebra 2 K.17 Pascal's triangle
- Algebra 2 K.18 Pascal's triangle and the Binomial Theorem

Unit 4: Structures of Expressions

- Algebra 2 J.3 Complete a function table: quadratic functions
- Algebra 2 J.4 Transformations of quadratic functions
- Algebra 2 J.5 Graph a quadratic function
- Algebra 2 J.9 Complete the square
- Algebra 2 J.13 Match quadratic functions and graphs
- Algebra 2 J.14 Write a quadratic function from its zeros
- Algebra 2 T.1 Identify the direction a parabola opens
- Algebra 2 T.2 Find the vertex of a parabola
- Algebra 2 T.4 Find the axis of symmetry of a parabola
- Algebra 2 I.1 Factor out a monomial
- Algebra 2 I.2 Factor quadratics using algebra tiles
- Algebra 2 I.3 Factor quadratics

Unit 5: Solving Quadratics & Other Equations

- Algebra 2 L.4 Simplify radical expressions with variables I
- Algebra 2 L.4 Simplify radical expressions with variables II
- Algebra 2 L.4 Simplify radical expressions with variables II
- Algebra 2 M.1 Evaluate rational exponents
- Algebra 2 M.1 Evaluate rational exponents
- Algebra 2 J.6 Solve a quadratic equation using square roots
- Algebra 2 J.7 Solve a quadratic equation using the zero product property
- Algebra 2 J.8 Solve a quadratic equation by Factoring
- Algebra 2 J.9 Completing the Square
- Algebra 2 J.10 Solve a quadratic by Completing the Square
- Algebra 2 J.11 Solve a quadratic by Using the Quadratic Formula
- Algebra 2 J.12 Using the Discriminant
- Algebra 2 J.13 Match quadratic functions and graphs

Unit 6: Square Root & Inverse Variation Functions

Unit 7: Similarity & Right Triangle Trigonometry

Unit 8: Probability