

Common Core Standards

Fireworks – Quadratics Functions, Graphs, and Equations

(N-Q 1,2,3) Reason quantitatively and use units to solve problems.

(A-SSE 1,2) Interpret the structure of expressions.

(A-SSE 3) Write expressions in equivalent forms to solve problems.

Common Core Standards

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(A-APR 1) Perform arithmetic operations on polynomials.

(A-APR 3) Understand the relationship between zeros and factors in polynomials.

(A-CED 1,2,3,4) Create equations that describe numbers or relationships.

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(A-REI 1) Understand solving equations as a process of reasoning and explain the reasoning.

(A-REI 4) Solve equations and inequalities in one variable.

(A-REI 10,11) Represent and solve equations and inequalities graphically.

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(F-IF 1,2) Understand the concept of a function and use function notation.

(F-IF 4,5,6) Interpret functions that arise in applications in terms of the context.

(F-IF 7,8,9) Analyze functions using different representations.