Clarity for Learning	
Standard KY.HS.A.19 (Algebra 1) Solve quadratic equations in one variable.	
Concepts (Nouns) square root quadratic formula factoring zero product property	**Skills (Verbs)** solve

Learning Progression:

Prerequisites:
- Solve linear equations
- Graphing quadratic functions

Grade level skills:
- Solve quadratics using graphs and tables.
- Solve quadratics by factoring (using algebra tiles for visual model).
- Rewrite radical expressions in simplest form.
- Solve quadratics using square roots.
- Completing the square.
- Solve quadratics using the quadratic formula.

Clarifications:

Students will understand that the method for solving a quadratic will be determined by the structure of the equation. Although all methods are interrelated, some are more appropriate and efficient for a given form of the equation.

Learning Intentions (I am learning to...)	Success Criteria (I know I'm successful when...)
Solve quadratic equations by taking square roots, using the quadratic formula, and factoring.	- I can use a graph to identify the x-intercepts as solutions of a quadratic equation. - I can use a graphing calculator to make a table of values to approximate or solve a quadratic equation. - I can use the Zero-Product Property and factoring to find the solutions of a quadratic equation. - I can apply factoring to solve real-world problems. - I can solve quadratic equations by finding square roots. - I can determine reasonable solutions for real-world problems. - I can solve quadratic equations in one variable by using the quadratic formula.