**Algebra 2 Unit 3: Quadratic Equations**

**Standards:**

**Test Standards:**

Standard 14: Graph and analyze quadratic functions.

1. Domain and Range
2. X and Y intercepts
3. Maximum or Minimum Values
4. Intervals of increasing and decreasing

Standard 15: Graph and analyze quadratic functions in real-world applications.

1. Domain and Range
2. X and Y intercepts
3. Maximum or Minimum Values
4. Intervals of increasing and decreasing

Standard 16: Solve quadratic equations (solve for x).

1. Factoring
2. Taking the square root
3. Completing the square
4. Quadratic formula

Standard 17: Solve real-world quadratic equations for x.

Standard 18: Find and interpret the discriminant of a quadratic equation.

Standard 19: Create a quadratic regression line to fit a given set of data.

Standard 20: Solve quadratic application problems.