Algebra One Name:
"Fireworks" Task #17 Date:
Period:

Process Standards:

Students will be able to:

- Interpret results in ways that are meaningful for the given context.
- Effectively communicate their mathematical knowledge.
- Organize class materials so that they are easily accessible and able to be used as an additional resource in problem solving situations.

Content Standards:

Students will be able to:

- Select and apply appropriate computational strategies to problem solving and life situations.
- Use technology to assist in data collection and interpretation of functions.
- Perform operations and transformations on functions, polynomials, and other mathematical entities.
- Recognize equivalent forms of an expression, equation, function or relation.
- Generate equivalent forms of an expression, equation, function or relation.
- Interpret and describe classes of functions through rules, tables and graphs.
- Interpret situations that involve variable quantities.
- Solve problems that involve quantities.
- Model a wide range of phenomena using a variety of functions.
- Find intercepts, local extreme values, and asymptotic behavior of functions.
- Interpret intercepts, local extreme values, and asymptotic behavior of functions in given contexts.
- Select and produce appropriate graphical representations.

JOURNAL

Your task in this assignment is to summarize what you've learned about quadratic expression, functions, and equations, including ideas about the graphs of quadratic functions. Remember to explain the terms that you use and give examples of any algebraic techniques you think are important.