Algebra 2 Name:

Quadratic Applications

**Real World Quadratics Problem**

**Grading Rubric**

**Context 0 1 2 3**

*A real world quadratic example must have an appropriate context that can be modeled as a quadratic function. Within each example, a specific equation must be provided.*

1 point*:* Appropriate context that models a quadratic.

1 point: Fitting equation representing the situation and its context.

1 point: Spelling, grammar, punctuation and overall presentation*.*

**Two parts 0 1 2**

*Two separate questions must be presented to uncover information about the real-world quadratic example (i.e., vertex, minimum/maximum, domain, etc.)*.

 1 point per question

**Correct solutions 0 1 2**

*Answers to each question must be clearly identified (in another color) and labeled with the appropriate unit.*

 1 point per solution

**Creativity 0 1 2**

*The real world quadratic example is something other than those we’ve seen in class and is inspired by creativity and original thought.*

 1 point: Similar example has not been used in class

 1 point: Creativity

**Rubric Attached 0 1**

 1 point: Rubric – with name on it – is attached to your work

**Bonus point for uniqueness 0 1**

 1 point: No other students turned in a similar problem/example

 **TOTAL: \_\_\_\_\_\_\_\_\_ / 10**