**Algebra II Performance Assessment – 4th  Quarter Spring 2013**

***Heat Wave* RUBRIC Total Points Possible: 8**

**Question 1 Total Points 4**

Must list 4 of the following : (1/2 point each for a total of 2 points)

|  |  |
| --- | --- |
| domain | ½ pt |
| range | ½ pt |
| Relative MAX | ½ pt |
| Relative min | ½ pt |
| x-intercepts | ½ pt |
| y-intercept | ½ pt |

Must have at least two of the following: (1 point each for a total of 2 point)

* Even/odd function
* leading coefficient
* any multiplicity
* Relative MAX
* Relative min
* Predictions in the past
* Predictions for the future

**Question 2 Total Points 4**

Model 1: ½ point for any part a, b, and c.

1. Mother Function. ½ point
2. Nature of a ½ point
3. Symmetry ½ point

Model 2 : ½ point each for any two of parts a, b, and c. (1 point total)

1. Mother Function
2. Factors
3. Any multiplicity

Model 3: ½ point each for any two of parts a, b, c, and d. (1 point total)

1. Mother Function
2. Asymptotes
3. Multiplicity
4. Continuity

Better Model Function: ½ point

Justification : 1 point for at least three of the four ideas, ½ point for at least two of the ideas.