



Name _____

8-4 Mathematical Literacy and Vocabulary

Modeling with Quadratic Functions

Choose the concept from the list above that best represents the item in each box.

vertical motion model

residual

 v_0

initial height

quadratic function

quadratic regression

-9.8

gravitational constant in meters/second

Concept List

1. Initial velocity	2. The difference between an actual value and a predicted value
3. A method used to write a quadratic model for data that may show a quadratic pattern.	4. $h(t) = -16t^2 + v_0t + h_0$
5. h_0	6. -4.9
7. gravitational constant in feet/second	8. $y = ax^2 + bx + c$