Quadratic Project - Gravity

Name: _____

Roots (nearest 10th): _____ and _____

Supposed Equation: $(x - \_\_\_\_)(x - \_\_\_\_) = 0$

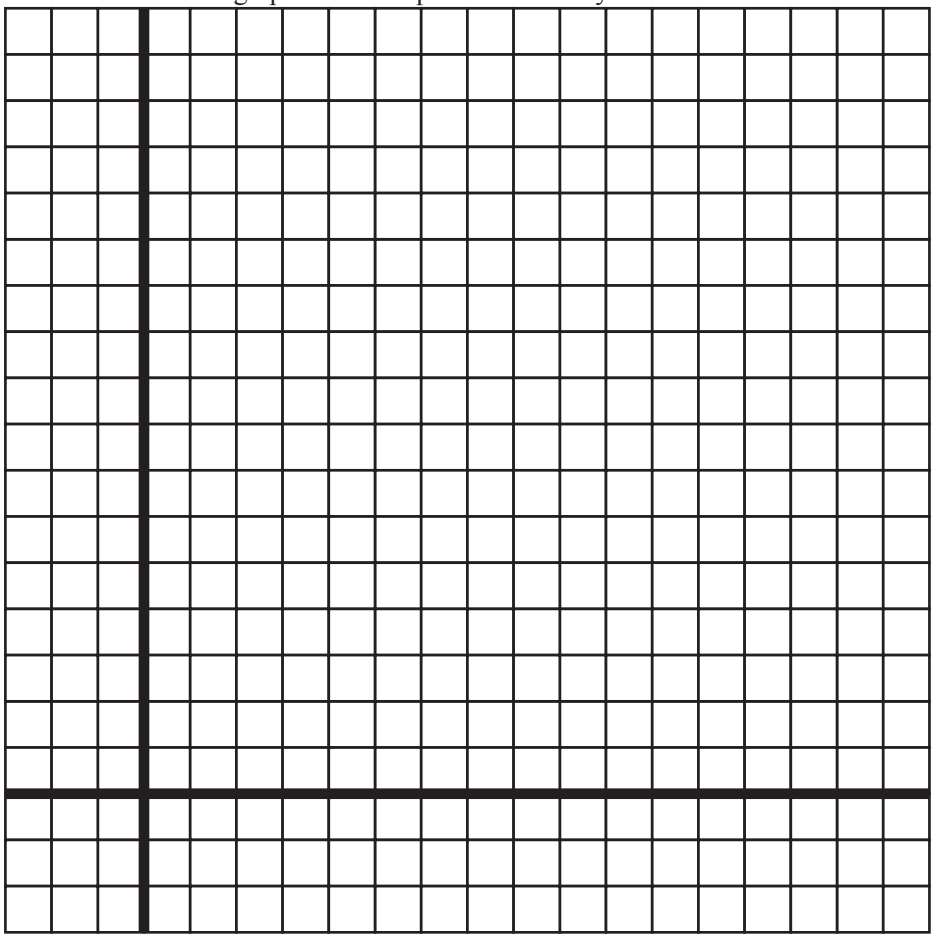
Standard Form: _____ Observed Point: _____

Plug in This X: _____ Multiplying Factor: _____

Actual equation: _____

Sum of the roots: _____ Axis-of-symmetry: _____

Create a scale and graph the entire parabola. Clearly mark the roots and vertex.



Predicted Maximum Value:

_____

Observed Maximum Value:

_____

Percentage Error:

_____

Quadratic Project - Friction

Name: _____

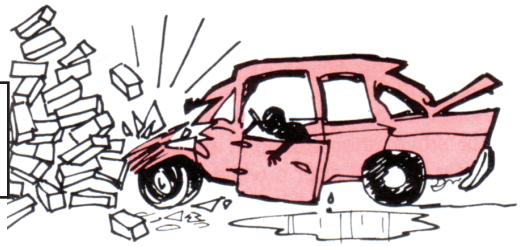
First Root:_____ Axis-of-symmetry:_____ Second Root: _____

Supposed Equation: $(x - \_\_\_\_)(x - \_\_\_\_) = 0$

Standard Form: _____ Observed Vertex: _____

Plug in This X: _____ Multiplying Factor: _____

Actual equation: _____



Create a scale and graph half the parabola. Clearly mark the first root and vertex.

Horizonal Position (units)

Time in seconds

Given time:

_____

Predicted Position:

_____

Observerd Position:

_____

Percentage Error:

_____