

Name: \_\_\_\_\_

Date: \_\_\_\_\_

**BLM 8.1.2**

# Achievement Check Rubric

Knowledge/Skills	Level 1	Level 2	Level 3	Level 4
<b>Knowledge/Understanding</b> <ul style="list-style-type: none"> <li>Inputs data into the graphing calculator, and finds the quadratic regression equation</li> </ul>	Demonstrates limited understanding of using the graphing calculator, and finds the quadratic regression equation with considerable assistance	Demonstrates some understanding of using the graphing calculator, and finds the quadratic regression equation with some assistance	Demonstrates considerable understanding of using the graphing calculator, and finds the quadratic regression equation	Demonstrates thorough understanding of using the graphing calculator, and finds the quadratic regression equation
<b>Thinking</b> <ul style="list-style-type: none"> <li>Prepares and carries out a plan to solve the problem</li> </ul>	Needs extensive assistance to begin organizing a plan and needs clearly laid out steps to follow	Needs some assistance to begin organizing a plan and needs some steps to follow	Needs minimal assistance to organize and implement an effective strategy	Needs no assistance to organize and implement an effective strategy
<b>Communication</b> <ul style="list-style-type: none"> <li>Provides clear explanations and full justifications using mathematical language</li> </ul>	Does not clearly explain or justify solution; does not use, or incorrectly uses mathematical language	Explains and justifies solution somewhat using some correct mathematical language	Explains and justifies solution fully using correct mathematical language	Explains, justifies, and shows insight into the complexities of the solution using clear and correct mathematical language
<b>Application</b> <ul style="list-style-type: none"> <li>Uses the quadratic equation to find the initial height and the time the diver hits the water</li> </ul>	Interprets the information ineffectively or needs extensive assistance to extract the necessary information	Interprets the information somewhat effectively or needs assistance to extract the necessary information	Interprets the information with considerable effectiveness	Interprets the information with a high degree of effectiveness

**Comments:**


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