

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

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

## Section 7.5 Achievement Check Rubric

BLM 7-9

Categories	Level 1	Level 2	Level 3	Level 4
<b>Knowledge and Understanding</b> <ul style="list-style-type: none"> <li>creates a scatter plot</li> <li>performs the three types of regressions</li> </ul>	<ul style="list-style-type: none"> <li>demonstrates limited understanding of using data to create a scatter plot and using technology to find various regression equations</li> </ul>	<ul style="list-style-type: none"> <li>demonstrates some understanding of using data to create a scatter plot and using technology to find various regression equations</li> </ul>	<ul style="list-style-type: none"> <li>demonstrates considerable understanding of using data to create a scatter plot and using technology to find various regression equations</li> </ul>	<ul style="list-style-type: none"> <li>demonstrates thorough understanding of using data to create a scatter plot and using technology to find various regression equations</li> </ul>
<b>Thinking</b> <ul style="list-style-type: none"> <li>prepares a plan to solve the problem</li> <li>carries out the plan</li> </ul>	<ul style="list-style-type: none"> <li>needs extensive assistance to begin organizing a plan and needs clearly laid out steps to follow</li> </ul>	<ul style="list-style-type: none"> <li>needs some assistance to begin organizing a plan and needs some steps to follow</li> </ul>	<ul style="list-style-type: none"> <li>needs minimal assistance to organize and implement an effective strategy</li> </ul>	<ul style="list-style-type: none"> <li>needs no assistance to organize and implement an effective strategy</li> </ul>
<b>Communication</b> <ul style="list-style-type: none"> <li>correctly uses mathematical language</li> <li>clearly explains and fully justifies solution</li> </ul>	<ul style="list-style-type: none"> <li>maintains the correct language in some of the solution</li> <li>does not clearly explain or justify solution</li> </ul>	<ul style="list-style-type: none"> <li>maintains the correct language throughout most of the solution</li> <li>explains and justifies solution somewhat</li> </ul>	<ul style="list-style-type: none"> <li>maintains the correct language throughout the solution</li> <li>explains and justifies solution fully</li> </ul>	<ul style="list-style-type: none"> <li>maintains the correct language throughout the solution</li> <li>explains, justifies and shows insight into the complexities of the solution</li> </ul>
<b>Application</b> <ul style="list-style-type: none"> <li>chooses the best model and explains why the model fits the situation</li> <li>uses the model to predict when the population reaches 100</li> <li>discusses the trend in the future</li> </ul>	<ul style="list-style-type: none"> <li>interprets the information ineffectually, choosing an inappropriate model or not explaining the choice</li> <li>uses the model to predict the time and gives no insight into predicting the trend</li> </ul>	<ul style="list-style-type: none"> <li>interprets the information somewhat effectually, choosing an appropriate model but not explaining the choice</li> <li>uses the model to predict the time but gives no insight into predicting the trend</li> </ul>	<ul style="list-style-type: none"> <li>interprets the information with considerable effectiveness, choosing an appropriate model and explaining the choice.</li> <li>uses the model to correctly predict the time and discusses the trend for the future.</li> </ul>	<ul style="list-style-type: none"> <li>interprets the information with a high degree of effectiveness, choosing the most appropriate model and fully explaining the choice</li> <li>uses the model to correctly predict the time and discusses the trend making reasoned arguments for the future</li> </ul>