

Name: _____

Date: _____

Section 7.5 Achievement Check Rubric

BLM 7-9

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