Name:	Date:	

BLM 7-7

Section 7.3 Achievement Check Rubric

Category	Level 1	Level 2	Level 3	Level 4
Knowledge and Understanding				
 Recognises this relation as exponential. Finds the time spent on homework at the end of the first week and the first month. 	Demonstrates limited understanding of exponential relations. Makes major errors.	Demonstrates some understanding of exponential relations. Makes minor errors.	Demonstrates considerable understanding of exponential relations. Makes few minor errors.	Demonstrates thorough understanding of exponential relations. Makes very few or no errors.
ThinkingPrepares a plan to solve the problem.Carries out the plan.	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.
Communication Clear explanations and full justifications. Correct use of mathematical language.	Does not clearly explain or justify solution. Maintains the correct units in some of the solution.	Explains and justifies solution somewhat. Maintains the correct units throughout most of the solution.	Explains and justifies solution fully. Maintains the correct units throughout the solution.	Explains, justifies and shows insight into the complexities of the solution. Maintains the correct units throughout the solution.
Application • Works backward to estimate when the time spent on homework is 1 h and 1 day.	Interprets the information ineffectively and has difficulty estimating reasonable answers.	Interprets the information somewhat effectively and has some difficulty estimating reasonable answers.	Interprets the information with considerable effectiveness and has little difficulty estimating reasonable answers.	Interprets the information with a high degree of effectiveness and has no difficulty estimating reasonable answers.