Name: _____   Date: _____

Section 6.7 Achievement Check Rubric

Categories	Level 1	Level 2	Level 3	Level 4
Knowledge and Understanding • Finds the number of wishes granted.	Demonstrates limited understanding of solving an exponential equation, making major errors.	Demonstrates some understanding of solving an exponential equation, making minor errors.	Demonstrates considerable understanding of solving an exponential equation, making no errors.	Demonstrates thorough understanding of solving an exponential equation, making no errors and providing a complete solution.
Thinking • Prepares 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 • Uses mathematical language correctly. • Clear explanations and full justifications.	Maintains the correct units in some of the solution. Does not clearly explain or justify solution.	Maintains the correct units throughout most of the solution. Explains and justifies solution somewhat.	Maintains the correct units throughout 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.
Application • Expresses the area of the carpet as one power.	Interprets the information ineffectively, needing considerable assistance to find the area as a power.	Interprets the information somewhat effectively, needing some assistance to find the area as a power.	Interprets the information with considerable effectiveness, needing little assistance to find the area as a power.	Interprets the information with a high degree of effectiveness, finding the area as a power without assistance.