Name: _____   Date: _____

Section 1.4 Achievement Check Rubric

Categories	Level 1	Level 2	Level 3	Level 4
Knowledge and Understanding • Finds the stopping distances for the three situations.	Demonstrates limited understanding of functions, making major errors.	Demonstrates some understanding of functions, making minor errors.	Demonstrates considerable understanding of functions, making no errors.	Demonstrates thorough understanding of functions, correctly finding the stopping distances in metres.
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 • Correct use of mathematical language. • Clear explanations and full justifications.	Maintains the correct units in some part 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 • Produces a reasonable domain and range. • Compares the graphs of the three functions.	Interprets the information ineffectively, writing only one reasonable domain and range and one accurate comparison of the graphs.	Interprets the information somewhat effectively, writing two reasonable domains and ranges and two accurate comparisons of the graphs.	Interprets the information with considerable effectiveness, writing three reasonable domains and ranges and three accurate comparisons of the graphs.	Interprets the information with a high degree of effectiveness, writing three reasonable, justified domains and ranges and accurate, complete comparisons of the graphs.