	RUBRIC The Big Race	STUDENT: _____ EVALUATOR: _____ DATE: _____

CRITERIA	APPROACHING PROFICIENT (Below Performance Standards)	PROFICIENT (Meets Standards)	ADVANCED (Demonstrates Exceptional Performance)
Construct and compare linear, quadratic and exponential models and solve problems. Alg. 1: F-LE 1 *20 pts*	Students are unable to distinguish the differences between linear and non-linear situations. Students choose an incorrect function type to model the situation.	Student can choose the correct function (linear or exponential) to model a situation.	**In addition to meeting the PROFICIENT criteria...** Students can correctly explain the reason for their choice of function.
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Alg. 1: F-LE 1a *20 pts*	Students are unable to differentiate the patterns shown in the graphs and tables of different functions.	Students understand that linear functions change by equal amounts over equal intervals, and that exponential functions change by equal factors over equal intervals.	**In addition to meeting the PROFICIENT criteria ...** Students understand that 2nd level differences are the same for quadratic functions and that 1st level differences are constant for linear functions.
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Alg. 1: F-LE 1b *20 pts*	Student does not use table ***and*** graph to determine correct function type (linear, exponential or quadratic).	Student uses table ***and*** graph to determine whether the data represents a linear and exponential (***or*** quadratic) function..	**In addition to meeting the PROFICIENT criteria ...** Student uses table ***and*** graph to determine whether the data represents a linear, exponential ***and*** quadratic function.
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Alg. 1: F-LE 3 *20 pts*	Students are unable to recognize patterns in tables and graphs to distinguish differences in the behavior of functions..	Students use tables and graphs to observe that exponential functions eventually change at a greater rate than linear ***or*** quadratic functions.	**In addition to meeting the PROFICIENT criteria...** Students use tables and graphs to observe that exponential functions eventually change at a greater rate than linear ***and*** quadratic functions.
Project Presentation *20 pts*	Student's Linkbot does not accurately represent the linear and exponential (***or*** quadratic) graph (***or*** table).	Student's Linkbot accurately represents the linear and exponential (***or*** quadratic) graph (***or*** table).	**In addition to meeting the PROFICIENT criteria ...** Student's Linkbot accurately represents the linear and exponential (***and*** quadratic) graph (***and*** table).
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COMMENTS: