Scoreable Task Rubric

Name: _____

Task: _____

	Conceptual Understanding *Interpreting the concepts of the task and translating them into mathematics.* *What?*	**Processes and Strategies** *Applying mathematical processes and solutions in making mathematical, personal, and/or societal choices* *How?*	**Verification and Reasonableness** *Identifiable evidence of a second look at the concepts/strategies/calculations to defend the solution and verify reasonableness of solutions.* *Defend!*	**Communication** *Using pictures, symbols, and/or vocabulary to convey the path to the identified solution.*	**Symbols, Techniques & Computations** *Demonstrating proficiency in the skills supporting mathematical understanding as well as presentation of the information.*
+	KNOCKS MY SOCKS OFF…This is rare, but it's fun when it happens! This score exists to allow you to extend your work in any category beyond any standard expectations. There needs not be a limit!				
4	Skillfully converts relevant information from the task into an insightful mathematical portrayal in a way that contributes to further understanding.	Pictures, models, diagrams, symbols, and/or words used to solve the task are thoroughly developed.	The solution(s) is(are) clearly demonstrated to be reasonable and to make sense mathematically and contextually (if applicable). May include a generalized solution.	The reasoning process used is clearly and thoroughly explained and presented in a logical and coherent manner with no steps taken where thinking has to be inferred.	Answers given are mathematically accurate, easy to locate and are justified and supported by the process shown.
3	Competently converts the relevant information into a desired mathematical portrayal.	Pictures, models, diagrams, symbols, and/or words used to solve the task are primarily effective in justifying choices made, with a possible minor error.	Attempts to demonstrate reasonableness/sense-making are adequate with very few steps taken where thinking has to be inferred.	The process is explained and adequately developed with very few steps taken where thinking has to be inferred.	Answers given are adequate, may contain a minor error, but are otherwise supported by the process shown.
2	The translation of relevant information from the task is partially completed, partially recorded, and/or partially effective.	Pictures, models, diagrams, symbols, and/or words used to solve the task are only partially completed, partially recorded, and/or partially effective.	Attempts to demonstrate reasonableness/sense-making are partially completed, partially recorded, and/or partially effective.	The process is partially complete, and/or partially developed with significant gaps in process that have to be inferred.	Answers given are primarily accurate, but are difficult to discern or locate and/or minimal justification is given.
1	The translation of the relevant information from the task is underdeveloped or uses inappropriate concepts.	Pictures, models, diagrams, symbols and/or words used to solve the task are ineffective, minimal or may conflict with the process.	Attempts to demonstrate reasonableness/sense-making are underdeveloped or inappropriate.	The process shown is unclear or underdeveloped.	Answers given are incorrect, incomplete, and/or conflict with the process.
0	The translation of the relevant information from the task is not evident.	Mathematical processes/solutions are not used to justify choices.	Reasonableness and sense-making are not explicitly addressed.	The process used is not evident.	Task questions remain unanswered or cannot be located.

Total Score: _____