

Task: _____

Date: _____

	Emerging	Developing	Proficient	Exceeding
Understanding & Solving	<ul style="list-style-type: none"> • I was not able to solve the problem at all. • I applied incorrect concepts and procedures. 	<ul style="list-style-type: none"> • My solution is incomplete. • I only understood part of the problem. 	<ul style="list-style-type: none"> • My solution shows a broad understanding of the problem and the major concepts necessary for finding the solution. • My solution addresses all of the mathematical components presented in the task. 	<ul style="list-style-type: none"> • My solution shows a deep understanding of the problem and identifies the appropriate mathematical concepts and necessary information. • The solution completely addresses all mathematical components presented in the task. • The solution uses the underlying mathematical concepts upon which the task is designed.
Reasoning & Analyzing	<ul style="list-style-type: none"> • I have shown no evidence of a correct strategy or procedure. • I have shown no evidence of mathematical reasoning. • I have many errors in my mathematical procedures. 	<ul style="list-style-type: none"> • I used a strategy that led to a partial solution. • I have shown some evidence of mathematical reasoning. • I have some errors in my mathematical procedures. 	<ul style="list-style-type: none"> • I used a strategy that led to a solution of the problem. • I used effective mathematical reasoning. • I used a correct mathematical procedure. • All parts of my solution are correct and a correct answer is achieved. 	<ul style="list-style-type: none"> • I used a very efficient and sophisticated strategy <u>other than simply trial and error</u>. • I used more than one strategy. • I have shown refined and complex reasoning. • I applied procedures accurately to correctly solve the problem and verify the results. • I made mathematically relevant observations and/or connections.
Communicating & Representing	<ul style="list-style-type: none"> • I gave no explanation of the solution or my explanation is very unclear. • I did not use, or mostly used inappropriately, any mathematical terminology, notation and representation. 	<ul style="list-style-type: none"> • My explanation is incomplete or not clearly presented. • I used some mathematical terminology, notation and representation appropriate to the problem. 	<ul style="list-style-type: none"> • My explanation is clear. • I used appropriate and accurate mathematical representation. • I effectively used mathematical terminology and notation. 	<ul style="list-style-type: none"> • My explanation is clear and articulate, detailing all steps so that the reader/listener does not need to infer how and why I made the decisions that I made. • I actively used mathematical representation to communicate my ideas related to the solution of the problem. • I used mathematical terminology and notation precisely and correctly.

Reflecting on task: _____

Name: _____

Provide evidence on your competency rating for, *Understanding & Solving*.

Provide evidence on your competency rating for, *Reasoning & Analysis*.

Provide evidence on your competency rating for, *Communicating & Representing*.

Discuss your contribution(s) to the group task.

Discuss any challenges you and/or the group encountered in the task and how they were dealt with.

How could you have improved your performance on this task?

Discuss anything that you did in this task that was over and above what you were asked to do.