

CASEF JUDGING SCORESHEET MARI PROJECTS PROJECT # _____

MATH, RESEARCH, AND INFORMATICS

Project Category	Guidelines	Points Available	Points Awarded
	<i>Note: Every bullet point may not apply to every project</i>		
<i>Project Definition</i>	<ul style="list-style-type: none"> -The student/team understood the project's potential applications and has a clear purpose/objective - There is clear significant insight into both the topic of research and the research process 	10	
<i>Design and Methodology</i>	<ul style="list-style-type: none"> - Systematic data collection and analyses/well-designed plan for data collection methods/system - The background research was satisfactory and appropriate - references were cited - There is a direct link provided between the data sets and research question - The mathematical approach (proofs, graphs, formulas, etc.) was clearly explained - Determined the significance or relevance of information/data needed for the task 	20	
<i>Evaluation and Interpretation</i>	<ul style="list-style-type: none"> - Appropriate application of mathematical and statistical methods - Sufficient data collected to support interpretation and conclusion - Put findings in context, explained importance/relevance and impact regarding science - Correctly identified sources of error - Completely and accurately converted information/data from the resources - Provided meaning; made inferences and predictions; or extracted patterns from data 	20	
<i>Creativity</i>	<ul style="list-style-type: none"> - The objective was original and showed creativity in choosing the problem and/or the methodology 	10	
Presentation			
<i>Display & Research Paper</i>	<ul style="list-style-type: none"> - Logical organization or material - Clarity of graphics and legends - Background research was satisfactory and appropriate references were cited. - The description of the project was clear, adequately detailed, and well documented 	15	
<i>Logbook</i>	<ul style="list-style-type: none"> - Available for review - Chronological account in ink - Discarded entry crossed through but visible - Evidence of data collection, statistical analyses, and interpretation of analyses 	15	
<i>Interview</i>	<ul style="list-style-type: none"> - The student showed a good understanding of the problem and its significance, explained the methodology used and the possible application of the conclusions - The student/team had ideas on what to do next and/or what to do differently next time - The student/team was able to answer questions about the project in a thoughtful way - The student/team understood the limitations of the project and the data/results - TEAM show coordinated effort 	10	
TOTAL	<p style="text-align: center;">AWARDS</p> <p> First: 90 – 100 Second: 80 – 89 Third: 70-79 Honorable Mention: below 69 </p>	100	

Signature _____ Judges Number _____