

MATH 396 PROBLEM OF THE WEEK COVER

Student Name _____

Total Score _____/36

Instructor _____

Math 396

POW # _____

Due Date: _____

	1 point	2 points	3 points
Problem Solving			
Interpretation	Does not show much understanding of the problem.	Shows some understanding of the problem. Completes part of the problem.	Answers the main part of the problem correctly.
Strategy	Does not know how to set up the problem. OR No evidence of strategy. OR Strategy didn't work.	Strategy makes sense, but isn't enough to solve the whole problem, OR Strategy is not applied systematically. OR Strategy might verify a correct answer, but fail to explain how they found it.	Picks a sound strategy. Approaches the problem systematically, achieving success through skill, not luck. Guess-and-check approach must involve good reasoning and informed guessing.
Accuracy	Has made many errors or shows no math.	Some work is accurate. May have one or two errors. OR Shows very little arithmetic.	Work on main problem is accurate and contains no arithmetic mistakes.
Communication			
Completeness	Writes very little to explain how the answer was achieved.	Provides explanation, but no calculations. OR Shows calculations but without explanation about why they were done. OR The path through the work is only partly shown.	Explains most of steps taken to solve the problem and rationale for them, with enough detail for another student to understand. Shows all key calculations.
Clarity	Explanation is very difficult to follow.	Explanation isn't totally unclear, but another student wouldn't follow it easily. OR Spelling errors / typos make it hard to understand. OR Uses incorrect or has missing units.	Attempts to make explanation readable by a peer. Shows effort to use good formatting, spelling, grammar, typing. Uses correct units where appropriate and uses correct mathematical language.
Reflection	Does nothing reflective	Includes one reflective thing	Includes two reflective things
	<ul style="list-style-type: none"> Checks answer using a different method. Reflects on reasonableness of answer. 	<ul style="list-style-type: none"> Explains where he/she got stuck. Summarizes the process used. Comments and explains the ease or difficulty of problem. Describes any errors made and how he/she found and corrected them. 	