

# Math 131 Calculus I

# Writing Assignment Grading Rubric

	<b>4 points</b>	<b>3 points</b>	<b>2 points</b>	<b>1 point</b>
<b>Understanding</b>	Solid understanding of a major approach to the problem with indications of alternative approaches, or with sufficient details to show ease in understanding.	Solid understanding of a major approach to the problem. Major concepts are understood.	Understands some major concepts, but misses others.	Misses fundamental concepts underlying the problem.
<b>Strategies, Reasoning, &amp; Procedures</b>	Clear evidence of plan for solving problem and all strategies and procedures are clearly understood. Errors are minimal, if present. Reasoning is clear and correct in details as well as in main aspects.	A plan for solving the problem is clearly understood and main procedures and strategies are in place. Reasoning is essentially correct, except for minor aspects.	Reasoning shows a possible approach to the problem. Work could lead to a correct solution, but is not there yet.	Does not know common strategies or procedures for solving problem. Reasoning is muddled or otherwise incorrect. Work can not lead to a correct solution.
<b>Communication</b>	Explanation lays out problem solution clearly and completely. More than one solution is indicated, or detail of solution shows deep understanding. The solution uses complete sentences with correct mathematical terminology.	Explanation is clear and all major steps are present. Some details may be missed or some language may not be completely precise.	Explanation shows some of the steps undertaken. Needs much more to demonstrate understanding.	Explanation is very sketchy and/or shows confusion or can not be clarified.
<b>Arithmetic, Algebra, &amp; Trigonometry</b>	All steps shown and no errors	1-2 errors/steps not shown	3-4 errors/steps not shown	5+ errors/steps not shown
<b>Calculus Calculations</b>	All steps shown and no errors	1-2 errors/steps not shown	3-4 errors/steps not shown	5+ errors/steps not shown