

Rent or Zip Rubric

	Understanding	Planning and Execution	Communication	Persistence
4	<ul style="list-style-type: none"> Show complete understanding of the required mathematical knowledge. The solution completely addresses all mathematical components presented in the task. 	<ul style="list-style-type: none"> Uses only the important elements of the task. Uses an appropriate and complete strategy for solving the problem. Uses only relevant information. 	<ul style="list-style-type: none"> There is a clear, effective explanation of the solution. All steps are included so the reader does not have to infer how the task was completed. Mathematical representation is actively used as a means of communicating ideas. There is precise and appropriate mathematical terminology and notation. 	<ul style="list-style-type: none"> Works hard on the task and doesn't need much help. Student may extend his thinking beyond the problem and make new connections or create new problems.
3	<ul style="list-style-type: none"> Shows nearly complete understanding of required mathematical knowledge. The solution addresses almost all of the mathematical components presented in the task. There may be minor errors. 	<ul style="list-style-type: none"> Uses most of the important elements of the task. Uses an appropriate but incomplete strategy for solving the problem. Uses most of the relevant data. 	<ul style="list-style-type: none"> There is a clear explanation. There is appropriate use of accurate mathematical representation. There is effective use of mathematical terminology and notation. 	<ul style="list-style-type: none"> Works hard on the task and only gets help after having tried many strategies given throughout. Completes task, working dutifully at the harder parts also.
2	<ul style="list-style-type: none"> Shows some understanding of the required mathematical knowledge The solution addresses some, but not all the mathematical components presented in the task. 	<ul style="list-style-type: none"> Uses some important elements of the task. Uses an inappropriate strategy or application of strategy is unclear. Uses some relevant data. 	<ul style="list-style-type: none"> There is an incomplete explanation; it may not be clearly represented. There is some use of appropriate mathematical representation. There is some use of mathematical notation appropriate to the task. 	<ul style="list-style-type: none"> Can do simple parts of the problem with little help. Starts working on the harder parts, but unless there is help, gives up.
1	<ul style="list-style-type: none"> Shows limited or no understanding of the problem, perhaps only re-copying the given data. The solution addresses none of the mathematical components required to solve the task. 	<ul style="list-style-type: none"> Uses none of the important elements of the task. Works haphazardly with no particular strategy for solving the problem. Uses irrelevant data. 	<ul style="list-style-type: none"> There is no explanation of the solution. The explanation cannot be understood, or is unrelated to the task. There is no use or inappropriate use of mathematical representations. There is no use, or mostly inappropriate use, of mathematical terminology and notation. 	<ul style="list-style-type: none"> Needs help, even for the very simple tasks. Gives up quickly, often just wanting someone to give the answer.