

	Mathematics Practices	Partial	Moderate	Strong
GOAL:	Given a problem to solve, the student will explain and justify their reasoning.			
Make sense of problems		Explain their thought processes in solving a problem one way.	Explain their thought processes in solving a problem and representing concretely, pictorially and/or abstractly.	Discuss, explain, and demonstrate solving a problem with multiple representations and in multiple ways.
	DATE			
	COMMENT			
		Identify the variables and what the problem is asking.	Analyze information (givens, constrains, relationships, goals)	Monitor and evaluate the progress and change course as necessary
	DATE			
	COMMENT			
		Choose a solution path.	Make conjectures and plan a solution pathway	Check answers to problems and ask, "Does this make sense?"
			predict whether solution will be bigger or smaller and justify your prediction	
			numerically estimate the answer and justify your estimation	
	DATE			
	COMMENT			
		Explain their thinking	Students monitor and evaluate their progress and discuss with others.	Students explain and justify their progress and critic the progress of others.
	DATE			
	COMMENT			
		Students try special cases or simpler forms to gain insight. (They hypothesize and test conjectures)	Students understand multiple approaches and ask the question, "Does this solution make sense?"	Students model multiple approaches TO make sense of their solution.
	DATE			
	COMMENT			
		Students explain correspondence between equations,	Represent the same data as equations, tables, graphs,	Students select the most appropriate display of the