AP Synthesis

We approach every concept (and you must master every concept) from four different perspectives:
Analytic - This is the "x's and y's" equation manipulation that most students think of when they think "math."
Numeric - You have to be able to apply calculus concepts to numerical data (lists and tables of numbers).
Graphical - You need to be able to interpret, manipulate, and draw graphs relating to calculus concepts.
Verbal - You must be able to explain calculus concepts in clear, concise, correct language.

4	3	2	1	0
On cumulative assessments, composed of released AP exam questions: Earns at least 55% on multiple choice proficiency-level questions Responds to the free-response questions, showing evidence of: • Algebraic processes and computations completed **logically and correctly** • Attend to precision graphically, numerically and analytically • Connects concepts and processes to solve **all** complex problems • Connect and interpret multiple representations in context • **Clearly** present reasoning and **justification with accurate and precise language**	On cumulative assessments, composed of released AP exam questions: Earns at least 47% on multiple choice proficiency-level questions Responds to the free-response questions, showing evidence of: • Algebraic processes and computations completed **logically, with a minor error** • Attend to precision graphically, numerically **and** analytically • **Connects concepts** and processes to solve **multiple** complex problems • Connect and interpret multiple representations **in context** • Present reasoning **and justification** without accurate and precise language (using the word, "it"; not using units, etc.)	On cumulative assessments, composed of released AP exam questions: Earns at least 39% on multiple choice proficiency-level questions Responds to the free-response questions, showing evidence of: • Algebraic processes and computations set up **logically but completed with multiple minor errors** • **Attend to precision graphically, numerically or analytically** • Partially connects concepts and processes to solve **complex problems** • Connect **and interpret** multiple representations • **Present reasoning** without accurate and precise language (using the word, "it"; not using units, etc.)	On cumulative assessments, composed of released AP exam questions: Earns at least 31% on multiple choice proficiency-level questions Responds to the free-response questions, showing evidence of: • Algebraic processes and computations set up **logically but completed with major errors** • **Partially connects** concepts and processes to solve **simple problems** • Connect multiple representations • **Partially present reasoning** without accurate and precise language (using the word, "it"; not using units, etc.)	No response to free response questions

1.2 per MC question + Free

(AB 2015)		(BC 2015)	
5	70-108 65%	5	63-108 58%
4	58-69 53%	4	53-62 49%
3	46-57 42%	3	42-52 38%
2	38-45 35%	2	36-41 33%