

Calculus Challenge Problem # 1

There was a lot of nice work on this problem. Typical problems included getting lost in the proliferation of parentheses, which caused some computational errors. We also didn't specify which endpoints on the line segments were open and which were closed, and the limitations on the domain of the derivative.

If you made an error in the first part and used that later, I tried to grade the work that followed based on that earlier work, unless that work trivialized the following questions.

Remember, you must present your work that leads to the solution, not just the solution. Like on the AP exam, no credit will be given for unsupported answers.

I look forward to reading your work on the second problem. Be sure to note the due date of Wednesday, October 13.

Results:

School	Teacher	Score	Cumulative Score
Benjamin Cardozo High School	Ken Rubel	5	5
Bishop Dunne Catholic School	Kevin Braun	5	5
Blessed Trinity Catholic High School	Amy Muller	2	2
Brookwood High School	Chris Michael	4.5	4.5
Distance Learning	Nancy Wells	5	5
Eagle's Landing Christian Academy	Deborah Brown	3.5	3.5
Gleneagle Secondary School	Nevena Savovic	5	5
Hickman High School	Deanna Wasman	2.5	2.5
Kutztown Area High School		3	3
Providence Day School	Lucia	4.5	4.5
Salem Academy	Kris Sorrells	5	5
Washington High School	Toby McMahon	4.5	4.5