

Your Name

Your Signature

Explanation: *Because Calculus 1 is listed as a core course, the state requires us to assess the extent to which this course is developing your writing and oral skills. The following assignments will not have an adverse impact on your grade. You will receive a participation grade of 5% if you turn both assignments in.*

1 (4 points):

4	3	2	1	0
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Written assessment: Let $f : \mathbb{R} \rightarrow \mathbb{R}$ be a function. If f is continuous on \mathbb{R} , does it follow that f is also differentiable on \mathbb{R} ? If yes, then provide a proof. If no, then provide a counterexample and explain why not. Write your answer in the space below.

2 (4 points):

4	3	2	1	0
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Oral assessment: Explain your answer to the written assignment in spoken words. Record an mp3 file with your oral explanation and email it to me at eleftherios.gkioulekas@utrgv.edu. The filename should be formatted as **Lastname-Firstname.mp3**. You can record mp3 files via your phone, tablet, computer, or online via recordmp3online.com