BONUS: Section 9.3: Taylor Series MATH 131: Calculus II, Section 2

Name (Print):	BONUS reading assignment!!!
Due: Monday, December 10, 2018 at the beginning of cla	ss
After reading Section 9.3 (pages 684-694 in the text), respectively be sure to staple your pages together before turning it in it parts to all questions to earn full credit!!! Also, us that require words. See the salmon homework guideling for your homework grade by completing this assignment. use full sentences and that you thoroughly answer ALL questions.	they are not double sided. You must answer all se FULL SENTENCES to answer questions are handout for details. Earn up to 5 bonus points. To earn all five points, be sure that your answers
Response Section	
1. State the definition of a Taylor and Maclaurin Series f	or a Function.
2. Explain the differences and similarities between the Ta	ylor and Maclaurin series.
3. Can all functions have Taylor series? Why or why not	? Explain carefully but not necessarily verbosely.
4. What is the Maclaurin Series for $f(x) = \frac{1}{1-x}$? What find the interval of convergence using past knowledge? (N	is familiar about this series? How can we quickly lote that this question has three parts!)

5. State the definition of the binomial coefficients.
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6. Look at Table 9.5. Write down the Taylor series for $\frac{1}{1+x}$. Now integrate both sides of this equation, integrating the right hand side term by term. Do you notice a similarity with another row in the table?
Questions/Overview Section
6. Write down any questions you have on the reading. Be as specific as possible! See the salmon homework guidelines handout for details.
Reflection Section
7. Write two or three sentences reflecting on the process of your work so far in the course. See the salmon homework guidelines handout for details.
Time Section
Time Section 8. How much time did you spend on this reading assignment?