Your Name:
Your Partner:
Quiz 7
Math 253
You have 20 minutes to complete this quiz. When you're finished, first check your work if there is time remaining, then turn it in. You may use a scientific calculator, but not a graphing one, and not any internet-connected device. You may work with one other student. Enough work should be shown that there is no question about the mathematical process used to obtain your answers.
1. (4 points) What is the Maclaurin series for e^{2x} ? Hint: you can leverage a Maclaurin series you already know.
2. (8 points) Write an expression for the n th derivative of e^{2x} . Your answer should involve n .

Interval [-1,1].		

3. (8 points) Find a value of N so that the Nth Maclaurin polynomial is never farther than .1 away from e^{2x} on the