

Homework 12

Due Monday, November 22, 11:59 PM

1. Find the derivative with respect to x of the function given below. (6 points)

$$f(x) = (5x + 1)^3 \cos(2x)$$

2. Identify any differentiation rules that you used to solve this problem. (2 points)
3. Explain why you chose to use each of the rules you identified in part (b). (2 points)