Section 3.1: Introducing the Derivative

MATH 130: Calculus I

Course Section ———————— Name (Print): ————————————————————

Due: Monday, February 19, 2018 at the beginning of class

After reading Section 3.1 (pages 126-132 in the text), respond to the following questions **on this handout**. Be sure to staple your pages together before turning it in. **You must answer all parts to all questions to earn full credit!!!** See the salmon homework guidelines handout for details. You are encouraged to take additional notes wherever you are keeping your class notes.

Response Section

1. Write down the Rate of Change and the Slope of the Tangent Line definition on page 127. This should look very familiar from our previous work!

2. What is the derivative the same thing as? Find two answers for this in the section and use full sentences to respond.

3. Write out the definition of the derivative function and differentiation from page 130.

4. There are two primary ways to notate the derivative of a function $y = f(x)$. What are they? What are several other notations that are used?

5. Use the definition you stated in number 3 to do Exercise 27 on page 133.

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 recent work in the course. See the salmon homework guidelines handout for details.

Time Section

8. How much time did you spend on this reading assignment? ⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯⎯