**Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**October 18th, 2011**

**AP Calculus 1, Mrs. Sulkes**

**Review and Derivative Practice**

**Part 1.** Find my derivative.

**Column 1:**  **Column 2:** 

1.  A. 
2.  B. 
3.  C. 
4.  D. 
5.  E. 
6.  F. 

**Part 2.** Who is my derivaticve?

**Column 1:**  **Column 2:** 

1.  A.



1.  B.



1.  C.

**Part 3.** **Remember Me!**

Find: 

**Part 4.** **Apply the Derivative.**

Let y = , write an equation for the tangent line passing through the point (2,1/5). (You will have to use the limit definition of the derivative to find ).

**Part 5.** **Thinking about the meaning of derivative.**

Sketch the graph of a function with these properties:

*f*(0) = 2 and *f*(1) = 0

(x) < 0 for 0 < x <2

(x) > 0 for x < 0 or x > 2

**Part 6.** **Thinking about derivatives.**

