It's not AP calculME... It's AP calculUS!

Across
4. the derivative of sin
7. use the ____ ____ when a function is raised to a power
8. the first step in solving optimization problems is to ______ carefully
13. the lowest point within a given range of a function is the function's ______
14. the value a function approaches as an input approaches a given value is a ______
15. the _____ rule is used to find the derivative of one function divided by another
16. if a variable is raised to another variable, take the ____ of both sides
17. a function does not have to be _____ _____ to be continuous
18. the highest point within a given range of a function is the function's ______
19. the second derivative is used to find ______ ______
20. the first derivative is used to find ______ ______

Down
1. the ____ of 7x+8 is 7
2. the ____ rule is used when you bring the exponent to the front and drop the power by one
3. _____ is the derivative of a velocity function
4. limits can approach any value including positive and negative ____
5. the ____ rule is used to find the derivative of two functions multiplied together
6. _____ works with all functions with non-zero denominators
7. for a function to be differentiable, the function must be ______
8. velocity function is the derivative of the _______ function
9. related rate problems are solved by differentiating with respect to ______