**[](http://images.google.com/imgres?imgurl=http://ocw.dixie.edu/mathematics/calculus-i/Calculus.jpg/image&imgrefurl=http://ocw.dixie.edu/mathematics/calculus-i/Calculus.jpg/image_view_fullscreen&usg=__2zclgb-mJnyy3Ygw3ibm5LfbHoo=&h=275&w=275&sz=94&hl=en&start=9&um=1&tbnid=quHkfIy78mYxQM:&tbnh=114&tbnw=114&prev=/images?q=pictures+of+calculus&hl=en&sa=X&um=1)Helpful Hints to Remember:**

1. Product Rule: always use **addition**
2. Quotient Rule: always divide by the denominator **squared**
3. Trig: all derivatives containing **cos** are **negative**
4. Chain Rule: work from the **outside to the inside**
5. Implicit Differentiation: remember to **isolate dy/dx**
6. Logarithmic Derivatives: always **multiply by the derivative** of the function
7. The log base becomes what your taking the natural log of
8. Always multiply the coefficient by the exponent **before** **lowering the power**
9. **Don’t make it harder than it is:** check to see if the function can be solved using a regular derivative
10. All these derivative methods can be used to find the **slope of the line tangent to a curve** or whatever function you may be working with