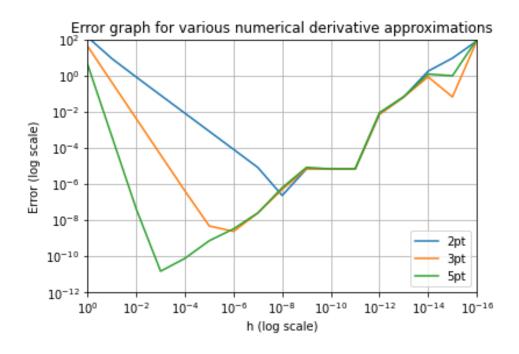
## **Assignment 2**

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This assignment was fairly simple. The boilerplate for calculating and graphing the error was already implemented, so I just had to adapt it to this case.

I changed the original function to  $x^5$ , added functions to calculate the error in the other two formulae, and then graphed each result.

One thing I found very interesting was the way the error calculations were done using NumPy arrays, in order to avoid iterators. I did some tests which you can see in the code to compare the two approaches. Overall NumPy vectorization (I believe that's the correct term here) is cleaner and much, much faster, though it might be less obvious to someone reading the code that there are multiple calculations going on here.



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