Sketching the Derivative

1. Graph the continuous function over the domain [-5, 5] using your calculator.  
Adjust your window appropriately. Make an accurate sketch on graph paper.

2. Use your calculator to determine the slope at various points on . Plot these points, both on graph paper and on your calculator.

3. Use regression, or some other method to determine the equation of .

4. Use the power rule to determine the equation of .

5. Make an accurate graph of . Note any important features of and .