Name (Print): _____

Derive the Graph of the Derivative

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1. Below, graph the function $f(x) = \sin(x)$

2. Use the fact that the y-value of $f'(x)$ is the slope of the tangent line of $f(x)$ to plot estimate points for the function $f'(x)$. Then make a conjecture as to what the function $f'(x)$ might be.

3. Use this applet http://tube.geogebra.org/m/2235103 to determine if your conjecture was correct.

4. Try this out for 2 other functions. State your conclusions and discoveries below.