4. [7 points] On the axes below, sketch a graph of a single *function* $F(x)$ with domain including $-6 < x < 6$ that meets all of the following criteria:

- On the domain $[0, 2]$ the function is given by $F(x) = 6(0.2)^x$.
- $F(x)$ has an average rate of change of 0 between $x = -2$ and $x = 4$.
- $F(x)$ is increasing from $x = -6$ to $x = 0$.
- $F(x)$ is *not* invertible on the domain $0 < x < 6$.