10. [10 points] On the axes provided below, sketch the graph of a single function $y=h(x)$ satisfying all of the following:

- $h(x)$ is defined for all $x$ in the interval $-6<x<6$.
- $h^{\prime}(x)<0$ for all $x<-3$.
- $\lim _{x \rightarrow-2^{+}} h(x)=-1$.
- $h^{\prime}(0)=0$.
- The average rate of change of $h(x)$ between $x=-1$ and $x=2$ is 1 .
- $h(x)$ is not continuous at $x=3$.
- $h(x)>0$ for all $x>3$.
- $h^{\prime}(x)>0$ for all $x>4$.

Make sure that your sketch is large and unambiguous.


