8. [10 points] A function $h(x)$ satisfies all of the following:

- $h(x)$ is continuous on the interval $-5<x<5$.
- $h(x)$ is differentiable for all $x$ in the interval $-5<x<5$ except at $x=2$.
- $h(x)$ is decreasing for $-5<x<-2$.
- $h(x)$ has a critical point at $x=-4$.
- $h(x)$ is concave up for $-3<x<-1$.
- $h(x)$ has an inflection point at $x=1$.
- $h(x)$ has a local minimum at $x=3$.
- $h(x)$ is increasing at a constant rate for $4<x<5$.

On the axes provided below, sketch a possible graph of $h^{\prime}(x)$ (the derivative of $h(x)$ ). Make sure that your sketch is large and unambiguous.

Graph of $y=h^{\prime}(x)$


