4. [8 points] The graph of a function $f$ is shown below.


On the axes below, sketch a graph of $f^{\prime}(x)$ (the derivative of the function $f(x)$ ) on the interval $-5<x<4$. Be sure that you pay close attention to each of the following:

- where $f^{\prime}$ is defined
- the value of $f^{\prime}(x)$ near each of $x=-5,-4,-3,-2,-1,0,1,2,3,4$
- the sign of $f^{\prime}$
- where $f^{\prime}$ is increasing/decreasing/constant


