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 \(-6 < x < 6\).
- \( h'(x) < 0 \) for all \( x < -3 \).
- \( \lim_{x \to -2^+} h(x) = -1 \).
- \( h'(0) = 0 \).
- 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 \( x > 3 \).
- \( h'(x) > 0 \) for all \( x > 4 \).

*Make sure that your sketch is large and unambiguous.*