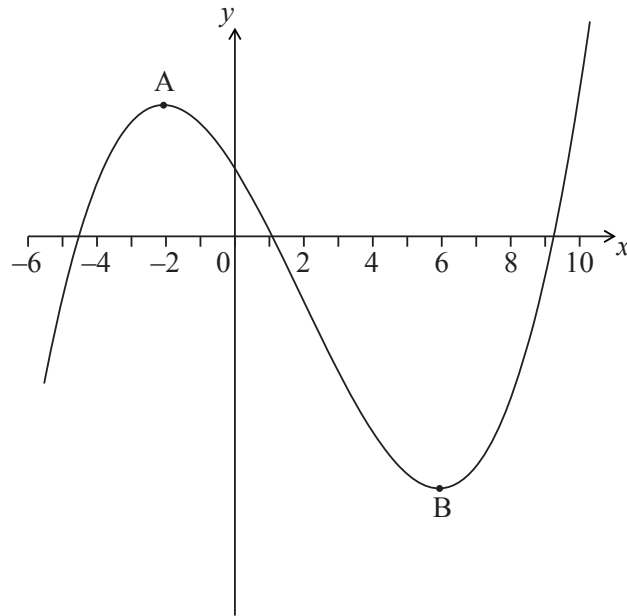


6. [Maximum mark: 6]

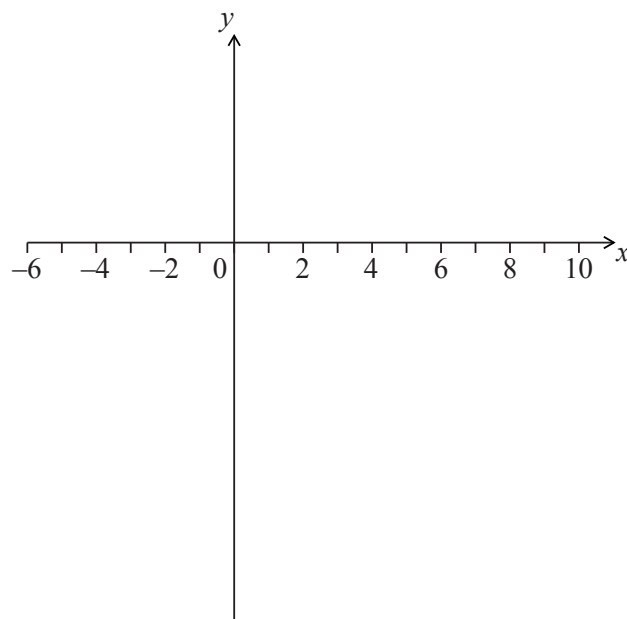
The following diagram shows part of the graph of $y = f(x)$.



The graph has a local maximum at A, where $x = -2$, and a local minimum at B, where $x = 6$.

(a) On the following axes, sketch the graph of $y = f'(x)$.

[4]



(b) Write down the following in order from least to greatest: $f(0)$, $f'(6)$, $f''(-2)$