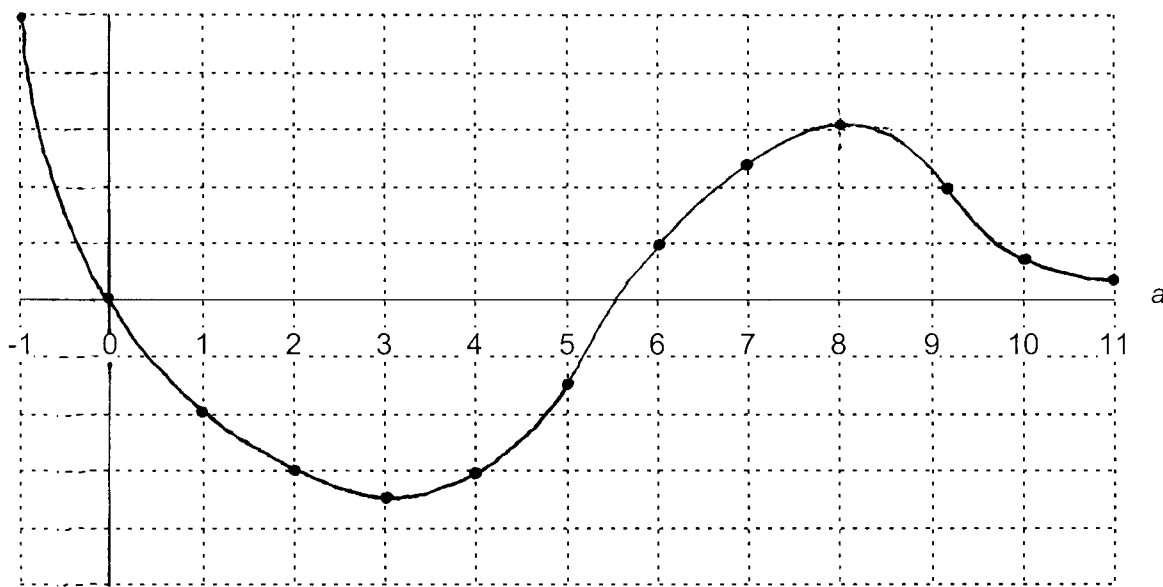


1. The graph of  $f(a)$  is shown below. Plot a possible graph with coordinates  $(a, f'(a))$ .



2. Based on your work above, what statements can be made about the connection between the graphs of  $f(x)$  and  $f'(x)$ ?

3. Sketch the graph of the derivative of each of the following functions.

