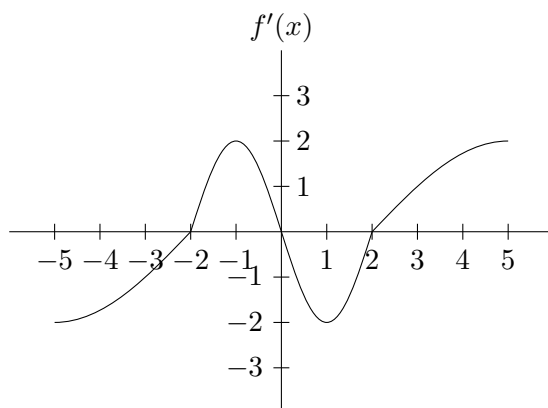
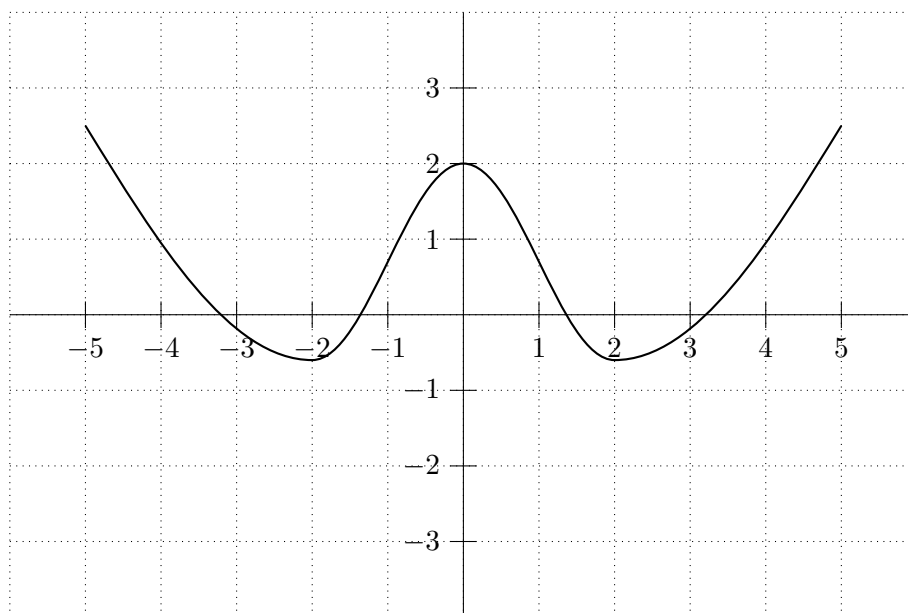


6. [11 points] The graph of  $f'(x)$ , an odd function defined on the interval  $[-5, 5]$ , is shown below.



On the blank graph below, draw a graph of  $f(x)$ , the antiderivative of  $f'(x)$  with  $f(0) = 2$ . Make sure your graph depicts where  $f(x)$  is increasing and decreasing and the concavity of the function.



Write the  $x$  coordinates of the local minima of  $f(x)$                     $\pm 2$                   

Write the  $x$  coordinates of the local maxima of  $f(x)$                     $0$                   

Write the  $x$  coordinates of the inflection points of  $f(x)$                     $\pm 1$