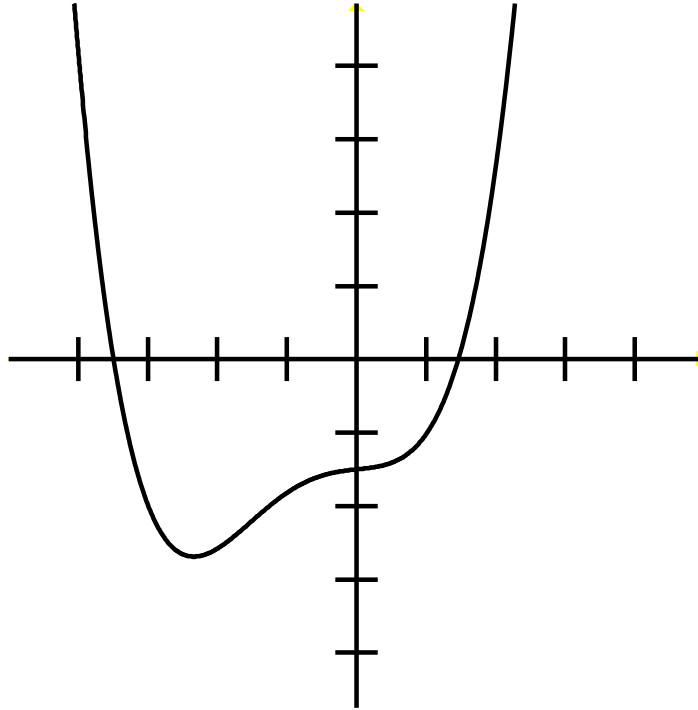1) Given the graph of $y = f(x)$ below, sketch the graph of $f'(x)$ on the same axis.

2) The distance travelled by of a bicyclist traveling down a hill is given by $f(x) = 3x^2$ feet at time x, where s is measured in seconds. Velocity is the rate of change of distance. Use the appropriate ideas we've learned in class thus far to find the velocity function of the bicyclist.