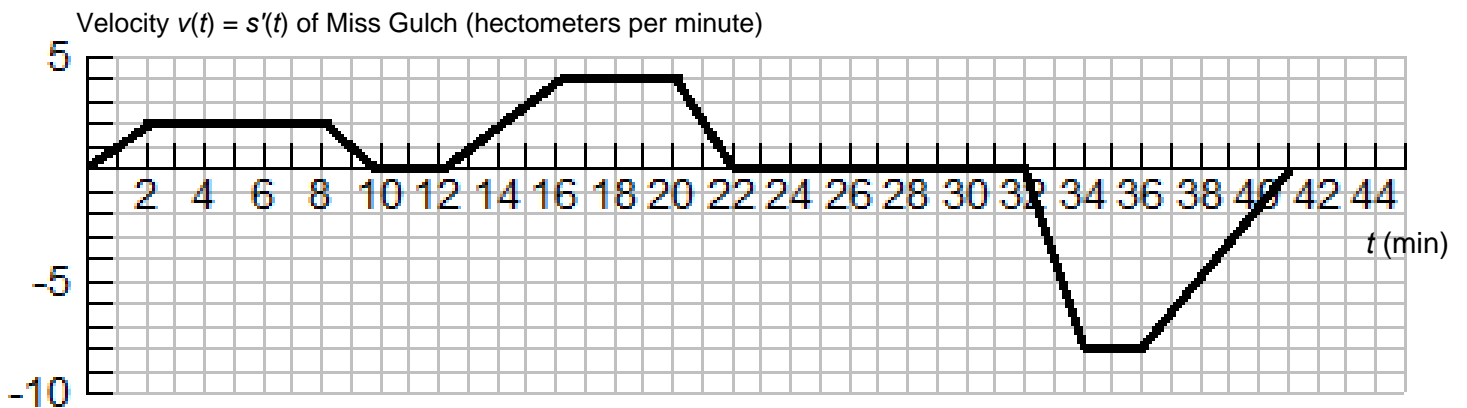
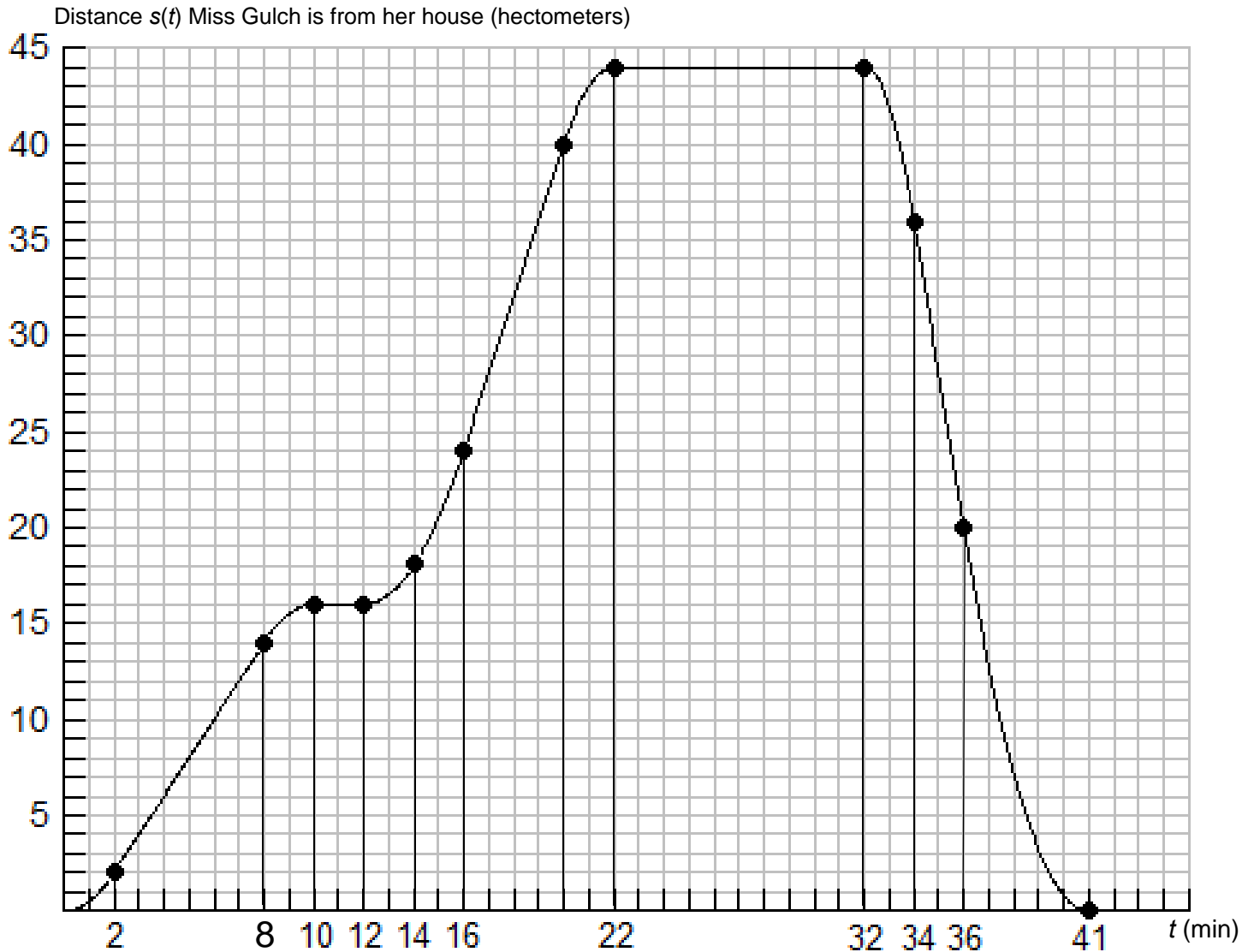
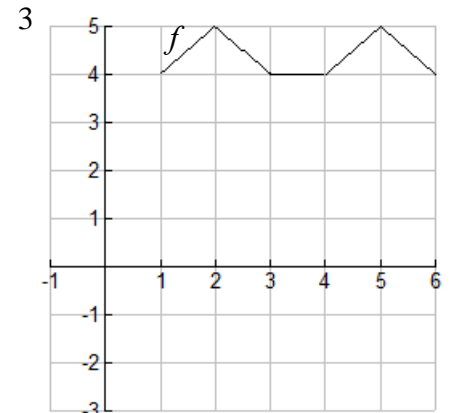
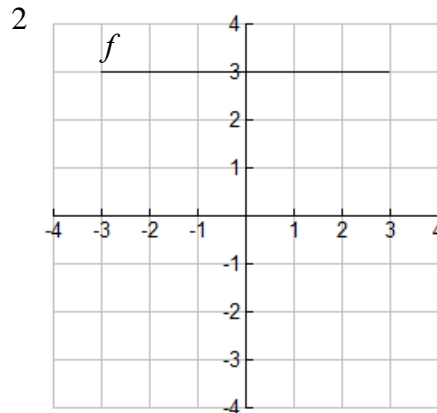
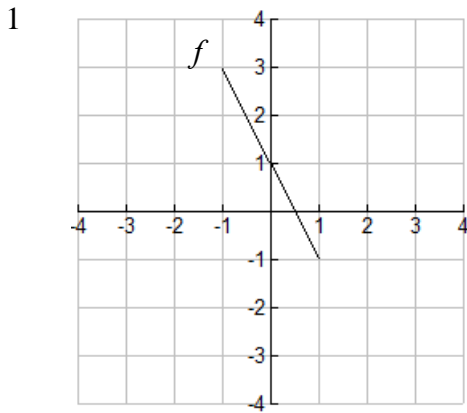


Miss Gulch Rides From Her House to Dorothy’s Farm (and Back)

Given below is the graph of the function $s(t)$. It represents the distance, in hectometers, of Miss Gulch from her house while riding on her creaky bike to Dorothy’s farm and going back home after a little while. Also shown is the graph of $v(t) = s'(t)$, the velocity of Miss Gulch in hectometers per minute at any time t . (One hectometer is a little more than a football field in length.) Describe her trip in as much detail as possible. Make connections between the two graphs, especially at the marked points.



Graph the derivative f' of each function f on the same set of axes.



Match the function in 4-7 with one of the derivatives I through VIII.

