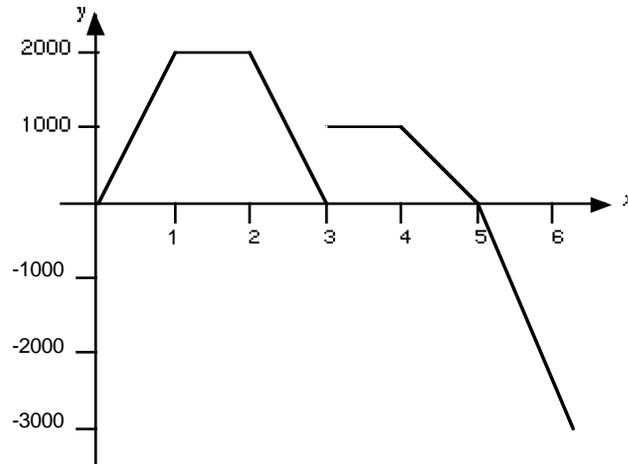




In Class Exercises (ICE)

Suppose that $F(0) = 2$ and that $F'(x) = f(x)$. The graph of $y = f(x)$ is given below. (The lemming is a small rodent found in northern climes.)



The Norwegian Lemming (*Lemmus lemmus*)

- Calculate the value of $F(x)$ for $x = 1, 3, 4, 5$ and 6 .
- Suppose that x has units of days, and $f(x)$ has the units of lemmings per day. What are the units of $F(x)$?
- In terms of lemmings, explain the possible meaning of x , $f(x)$ and $F(x)$ in practical terms.
- What do you think happened during the last day?