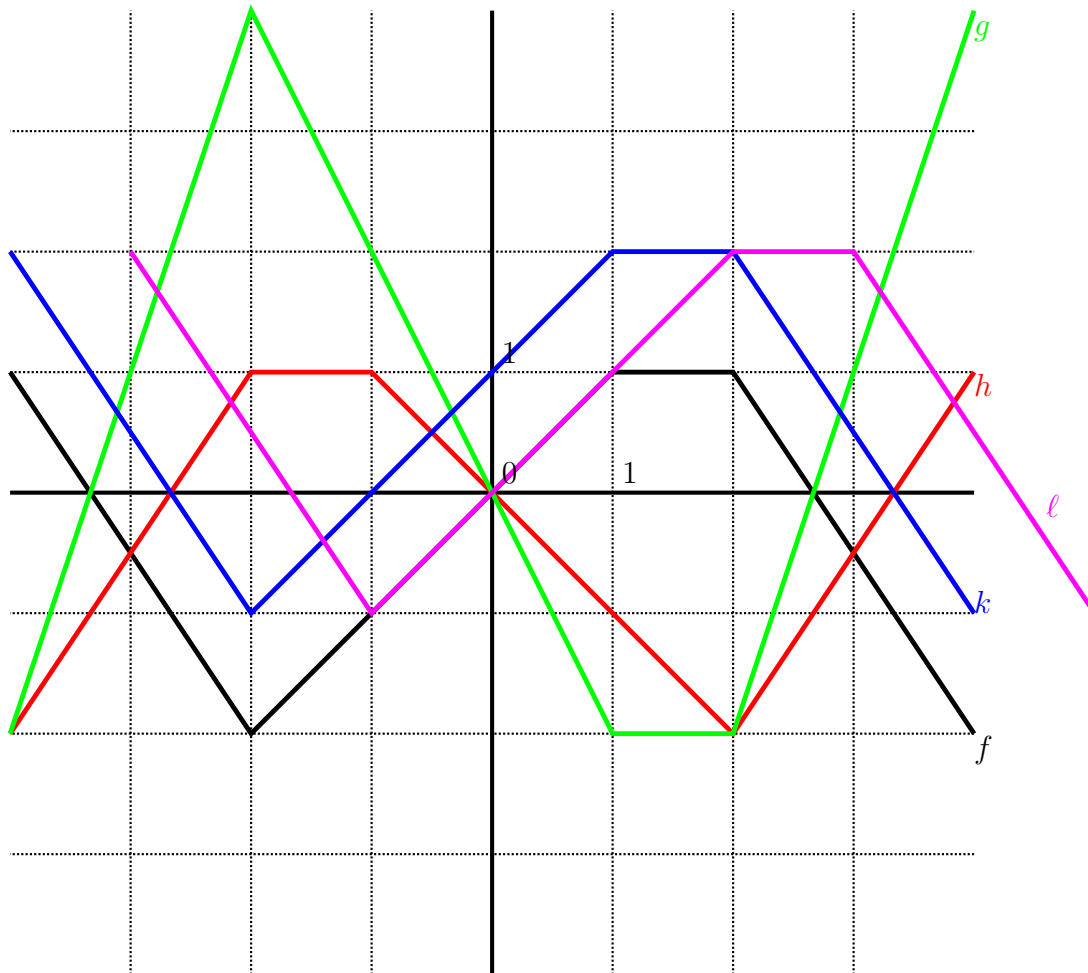


# Basic Mathematics - Quiz 4 Solution

We consider the function  $f$  with the following graph :



Sketch the graph of the functions  $g$ ,  $h$ ,  $k$  and  $\ell$  defined by

$$g(x) = -2f(x) \quad \text{and} \quad h(x) = f(-x) \quad \text{and} \quad k(x) = f(x) + 1 \quad \text{and} \quad \ell(x) = f(x - 1)$$

Indicate clearly the name of each function.