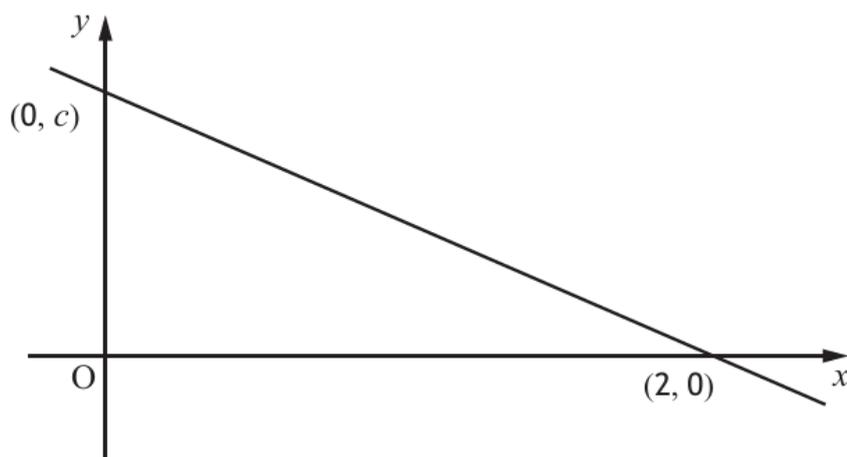


Advanced Higher Maths  
SQA 2016 Exemplar  
Question 14

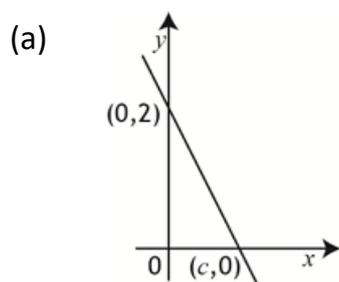


Part of the straight line graph of a function  $f(x)$  is shown.



- (a) Sketch the graph of  $f^{-1}(x)$  showing points of intersection with the axes. 2
- (b) State the value of  $k$  for which  $f(x) + k$  is an odd function. 1
- (c) Find the value of  $h$  for which  $|f(x+h)|$  is an even function. 2

Answers:



(b)  $k = -c$

(c)  $h = 2$