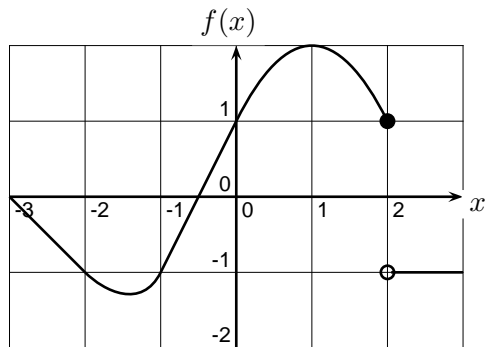6. The graph of a function f is shown below, together with a table of values for a function g. Define a third function h by $h(x) = f(x-2)$.

x	$g(x)$
-3	1
-2	0
-1	-1
0	-1
1	2
2	2
3	0

(a) (2 points each) Using the information given, find

   i. $f(g(1)) = $ _____

   ii. $g(h(2)) = $ _____

   iii. $h(f(0)) = $ _____

(b) (3 points) Is it possible that $g = f'$? Briefly justify your answer.

(c) (5 points) Is it possible that $g = h'$ on the interval where h is known? Justify.