

3. (12 pts.) Some of the values of the functions f , g , f' , g' are given in the following table.

x	$f(x)$	$g(x)$	$f'(x)$	$g'(x)$
0	1	1	5	$1/3$
1	3	-4	$-1/3$	$-8/3$

(a) If $h(x) = g(f(x))$, then $h'(0) =$ _____.

(b) If $h(x) = \frac{f(x)}{g(x)+2}$, then $h'(1) =$ _____.

(c) If $h(x) = \ln(f(x))$, then $h'(1) =$ _____.