Ugly Derivatives,
One More Try ☺

Suppose that f and g and their first derivatives have the following values at x = -1 and x = 0.

x	f(x)	g(x)	f'(x)	g'(x)
-1	0	-1	2	1
0	-1	-3	-2	4

Evaluate the derivatives with respect to x of the following combinations at the given value of x.

a) $3f(x) - g^2(x)$ at x = 0

b) $\left(f(x)g(x)\right)^2$ at x = 0

c) $g(f(x))$ at x = -1

d) $f(g(x)+2)$ at x = 0

e) $\dfrac{f(x)+1}{g(x)-2}$ at x = -1

f) $g(2x - 2g(x))$ at x = -1