



App.1

If we have two polynomials $f(x)$ and $g(x)$, and I went to calculate the derivative of the multiplication of the two polynomials, similarly I went to calculate the derivative of the division of the two polynomials.

$f(x) = 2x^3 + 9x^2 + 7x - 6$	(1.1)
-------------------------------	-------

$g(x) = 6x^2 + 18x + 7$	(1.2)
-------------------------	-------

$[f(x) \times g(x)]'$	(1.3)
-----------------------	-------

$\left[\frac{f(x)}{g(x)} \right]'$	(1.4)
-------------------------------------	-------