

RULES

6.) $D(f(x)g(x)) = f(x)g'(x) + f'(x)g(x)$
(PRODUCT RULE)

7.) $D(f(x)g(x)h(x)) = f'(x)g(x)h(x) + f(x)g'(x)h(x) + f(x)g(x)h'(x)$
(TRIPLE PRODUCT RULE)

8.) $D\left(\frac{f(x)}{g(x)}\right) = \frac{g(x)f'(x) - f(x)g'(x)}{(g(x))^2}$

(QUOTIENT RULE)