

# Download Successive Differentiation Formulas

Notes (Solutions) of Unit 02: Differentiation, Calculus and Analytic Geometry, MATHEMATICS 12

(Mathematics FSc Part 2 or HSSC-II), Punjab Text Book Board Lahore. Differentiation is the action of computing a derivative. The derivative of a function  $y = f(x)$  of a variable  $x$  is a measure of the rate at which the value  $y$  of the function changes with respect to the change of the variable  $x$ . Not-so-basic rules of differentiation. There are two more rules that you are likely to encounter in your economics studies. The hardest part of these rules is identifying to which parts of the functions the rules apply. We will do more like this in the Writing Formulas section below. Summary of Formulas for Sequences and Series. Before we get started, here is a summary of the main formulas for Sequences and Series: