

CONCORDIA UNIVERSITY
DEPARTMENT OF COMPUTER SCIENCE AND SOFTWARE ENGINEERING
SOEN 6011: SOFTWARE ENGINEERING PROCESSES: SECTION CC
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PROJECT

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PROBLEM 1: Give a brief description, not exceeding one page, of your function, including the domain and co-domain of function, and the characteristics that make it unique.

SOLUTION: x^y

The function x^y is a power function. In a power function, we have a base and an exponent. In the function x^y , x is the base and y is the power or exponent. The basic definition of a number written in exponential notation states that the base should be multiplied by itself the number of times indicated by the exponent. This is also called exponentiation, a mathematical operation. Exponentiation can be used in many fields, mainly in computer science and here we are using it to build a scientific calculator. The domain of this function is all real numbers, \mathbb{R} .