

## Lab Assignment 1

## MATHEMATICS II: INTEGRAL CALCULUS & DIFFERENTIAL EQUATIONS (MAT120)

Find the minima and maxima of the following functions at a given interval

1. 
$$y=9x^3-7x^2+3x+10$$
 in the interval [-5, 6]

2. 
$$y = \ln x [-5, 6]$$

3. 
$$y = \sin x [-5, 6]$$

4. 
$$y = \cos x [-5, 6]$$

5.  $y = \tan x [-5, 6]$