**Module 3**

1. Find the maximum and minimum value of the function

x3 - 3x2 - 9x + 12

1. Calculate the slope and the equation of a line which passes through the points (-1,-1)(3,8)
2. Solve for w’(z) when



1. Consider Y(x)= . Identify the critical values and verify if it gives maxima or minima.

𝑓′(𝑥)=3𝑥2−6𝑥−9

1. Determine the critical points and obtain relative minima or maxima or saddle points of function f defined by



