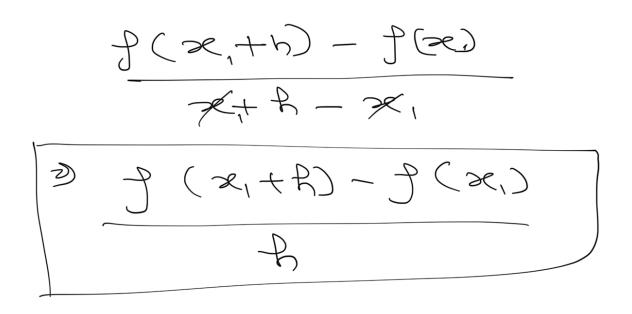
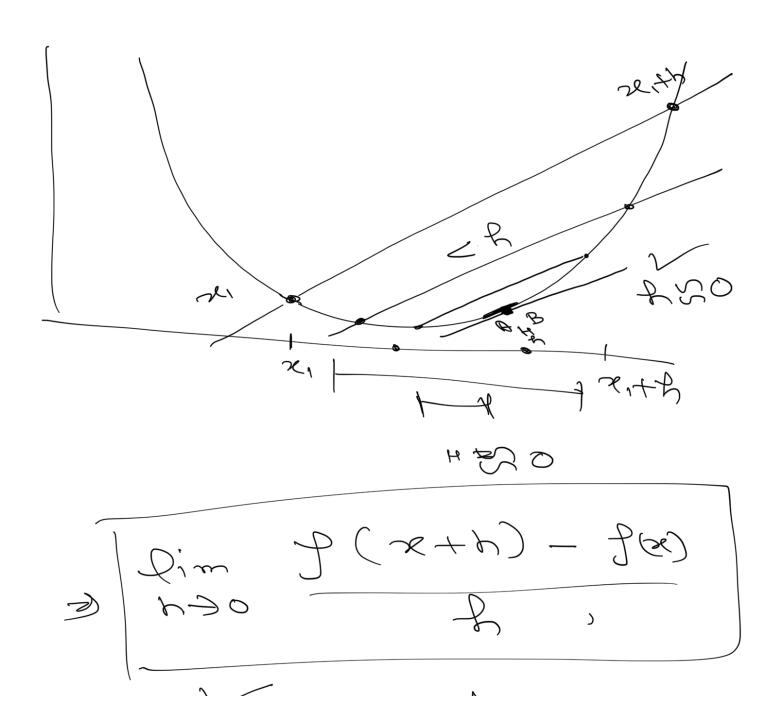
Ab initio Method

J'(20) = 2im J(a+h)-fa) 200 Smaller R will (ead to mose accurate Slope Value Z(x) 21, JOXD

21, 31 = 21, 31 = 21 21322 = 21+1, 31 = 21+1





X X 0

0,0001

H.W:
To calculate maxima
and rainiona

D 9'(se)

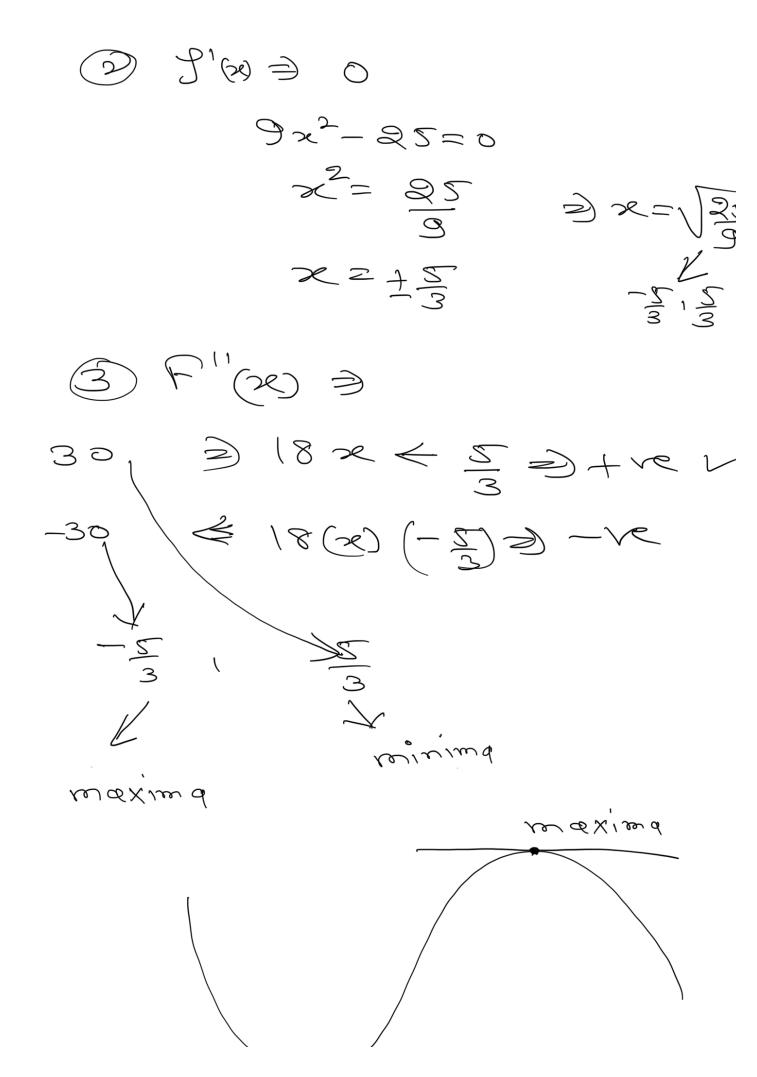
D g'(x)=0 and find value

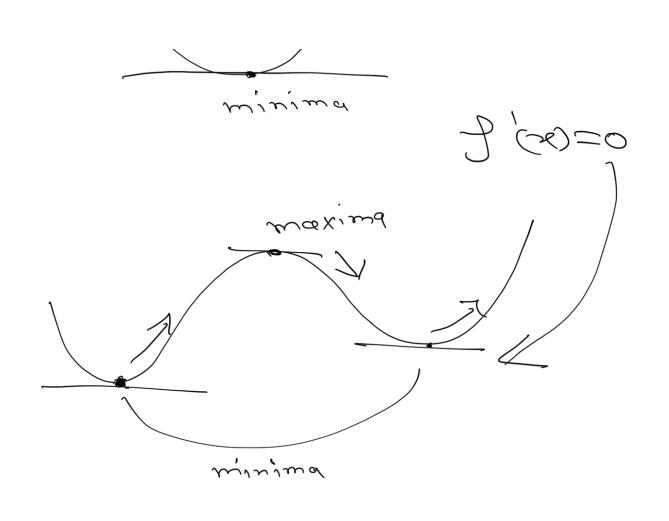
3 P 11 (x) => Substitute x

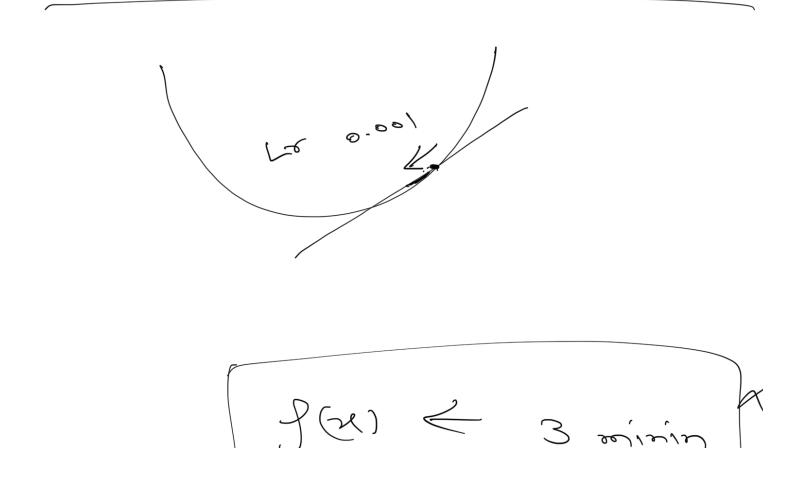
> regarive => Maxima > Positive > Minima

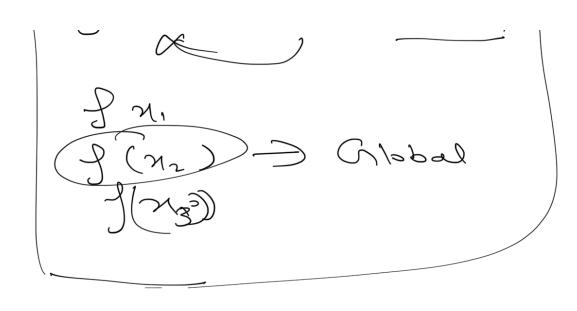
J(M) =) 3 x 3 - 25x

O 3160) = 9x2-25



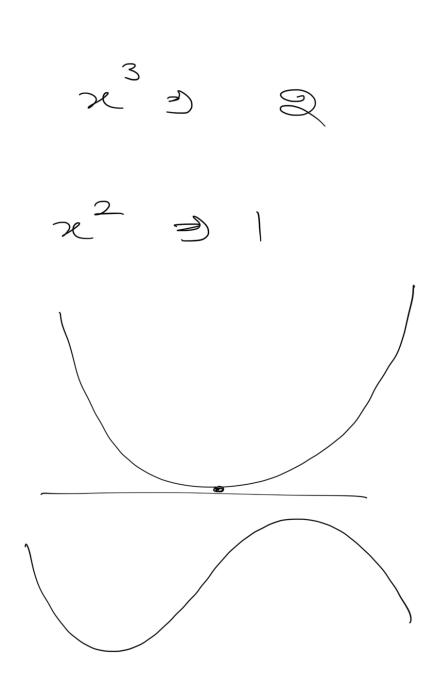






Chain Rule g (960) & J'960.912  $\left(2\pi\left(3\times^3+2\times\right)\right)$ 2 n 9(x) => 1/3 => 3/2+2 x 9(x) => 3x2+2x=> 6x+2 • 6x+2





D ~ . . . . &

J (2) =) e 9(2) 2) 2 n (30) · 23

J'(x). gx + g'x. fx

2n(x). x3 3 Proo

c(x) e(x)

c'x:ex + e'x. cx