

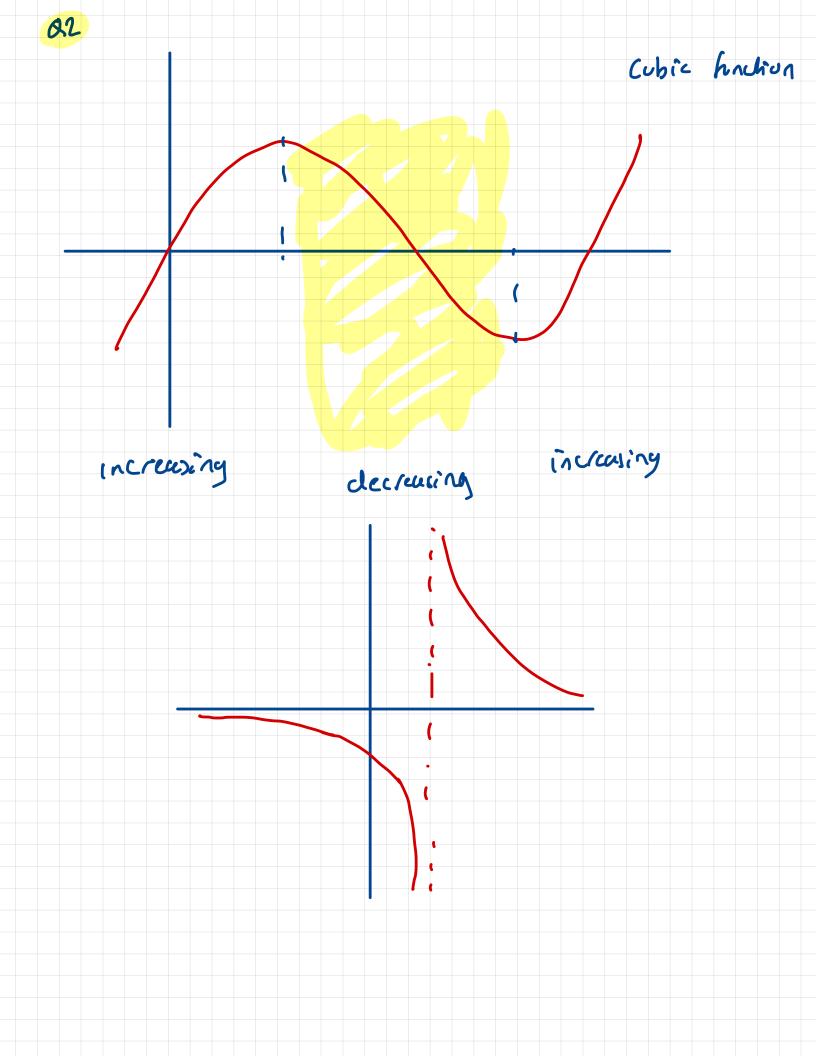
FOR LS increasing tungent line is positive

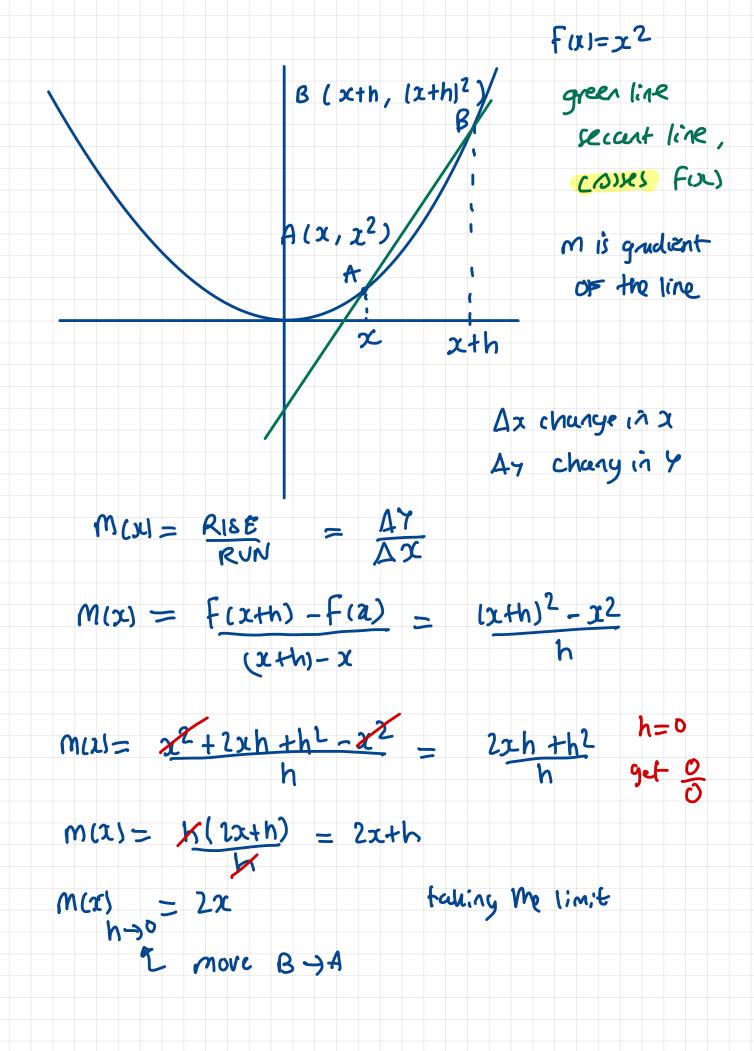
nengent line = 0

2>2 fox) is decreesing

hunger line is regulit

tangent line gouliert (x)





61  $f(x) = x^2$ do me same analysis for FILL= 73 F(14=x" n=4,5 ----(x+h)" pasculs triangle (x+h)° = 1 ()(th) 1 = x+h 1xth)2 = x2+2xh+h2 (x+h)3 = (2L+h) (x2+ 2xh +h2)  $= 2^3 + 32^1h + 3xh^2 + h^2$ (2+h)4 = (x+h) (23+3x2h+3xh2+h2) = 24+ 4x3h+ 6x2h2+ 4xh3+h4