Silding approximate flechas = 5, a flamily floor opproache the laylor sero used for builting approximations to to before dung into the maths, et want stopping for a minute of talk Wen it may be verfu hove a opproximation One example that stick in people with Cooling a Chicken Ingre yen can with a flenchan wh mas of Chicken M, no relatados between the orient of time t Leffere it will be be pet in over for feethy coeled.

how are alst of assumption; that need to all he part in Place of a such affecting to liver axist Eg he will only apply flor Certain type of oven, preheated to Ortain temp, applied to Certain Cafgration of Chicken, 10 once whole Chicken, and Inhermae, he heat transfer proportion of chicks will almost Estainly very In a highly san ino a fashion osa

Rudan of man hot have locat the sample Renchant Rod has some of the features we have mentaned. go E(M, T, Over Factor, Chicken Shope Factor) $=7.33m^{5}-72.3m^{4}+253m^{3}$ 368 m2 + 250m +0,02 + Overfactor + Checken Stope Factor.

Coling time t, will be quite construct to a lot of poremeters, that we might spect to very Cose to cose towers, on he Wherhood, if we like to sell a nce recepe book, we going to need to be prognative and simplify his monster. Osperple tend not to want to Solve complicated Equators while making duries. b, wot as a second of the seco Frosty we garg to make 2 assemptial - Ore about Chickes so ots assume that I wrea make to negget hat tolgare who buy my cook ball will have a sufficiently, simple similar over such trative can assure that Rey behowe boon cally the same

Acady cueyone will be cooking a sufficiently amula chicken ito he wathander pro asa fleeting mas per you con also assume too will the same The allows is to remove 2 popertally problematic tems that may translates have a Juhan of many other vorable But we still left with mossy fle = 7.33 m5 - 72.3 m 4+ 253 m3 Noxt many, here alock at plot of Mass, M/kg.

lo Mos Wat I now a reboot influence In the pay story is a second of the second o he 4 tg or Chicken with negative mass In fact, take it are stop flerher, Considering a Appeal Chicken Prim Supermarket is about 1, stg, so let flow here() Ordbudance Stagntine approximation of ferm y=mx+c By using the Taylor sero approach, which we will cover in most servin, it is possible to derive a plenetian with the same high and slope as are of Porish in graph This line is a fainly reasonable approximation to be flereton in he region close to the pant dinkost But a syon more constant a Come pretty for.

However, he corkbest is not flow people roasing grand of munitive checkens So we end up bon able to unte down a Expension in much more peletable format. Werear approximation to sotures Manltg + 15th (m)=50+g = 15 to of you want to roast a 2 kg bod, leave Her obart 115 Mins In vext æssen, we gong to go ato more detail. Short Taylor sero and also flind out how to acrive to derive hamper and females and make the second of th