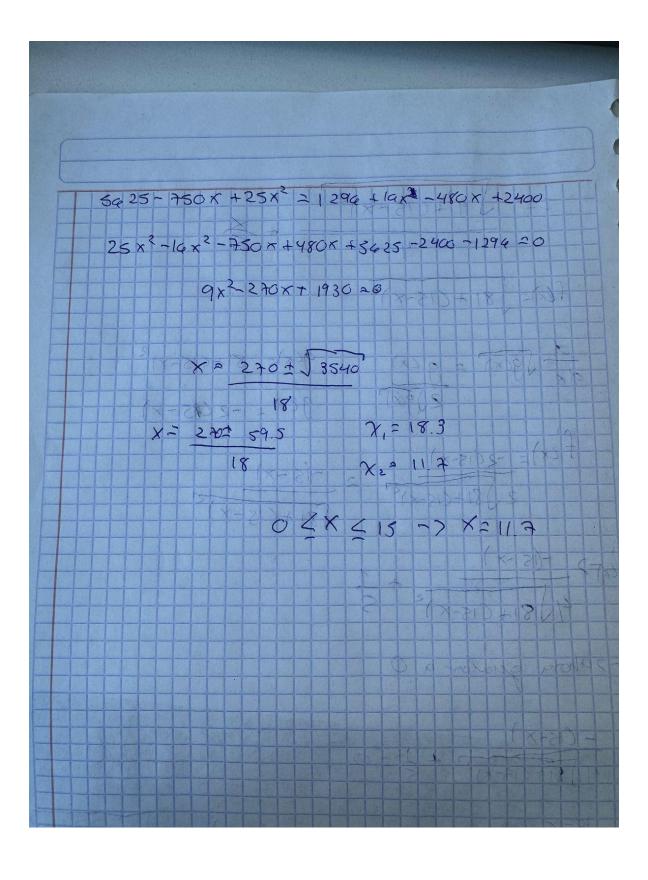


2 I laminación ICn)= x 1 1 1 1 1 1 1 2 1 2]'= x (h2+4)31: 1-n. 3/2 (h2+4)1/2.2h = K. (n2+4)1/2 [(n2+4)-3h2] (n2+4)3 = K(12+4)/12(4-2h2) (n2 +4)3 (4-2h2)=0 n= 52 -> Segunda clemada 1"= R (n2+4)"2(-4h)-3(4-2h2)h(h2+4)"R (n2+4)3 con h: Si da nagativo i, h= 52

Actividad Viga Max S= kwh² h= 242-w2 Mar Scw) = max kw (242 w2) ds = x[cz42-w2) dw (w) + wd (z42w2)] ds = k [(24 - u2) + w(-2 w)] = K (576-3w2) -> 19 valormos a 0 57/e -3 2 20 W= J192 = 8J3 ~13.84 -> Segunda derivada d25 = -6 Kw -> -6 K(853) Como da negativo Se confirma que w= 13.84 Pana OKX 4 13, max Vcn = max (13-2x)2x (149-2(13.2)x+4x2)·x $f(x) = 149x - 52x^2 + 4x^3$ fix1 = 169 - 104 x + 12 x 2 X1=13m 22= 13 X= 13



0-0 0-6-0 6 3 7 f(x)= \81 + C15-x)= d Jg(x) = g'(x) = g(x)= 81+(15-x)²

2 Jg(x) = g'(x) = -2 (45-x) f(x)= -2(15-x) -(5-x) -(5-x) -(5-x) - rahora igualor a O - (15-X) - (15-X)? + 5 = 0 4)81+(15-x27 = 5 -> S(15-x)= 4)81+(15-x)2 25(15-x)= 16 (81 + (15-2)