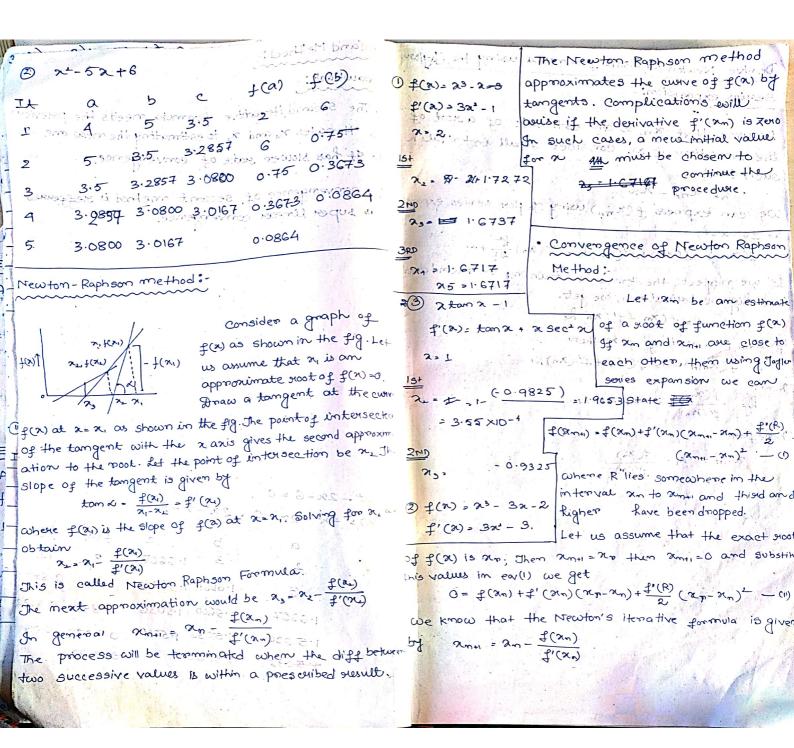
Bizzetion, Method: Took & HORALD 19 HORALD	3. Warshor 31 to op so writerstide of the op								
To find soots of a polynomial, torascendaled	f(n) = 23-23 . [2018.0,748 0]								
	et a . 1. 50652 2 di proitubre et primorraga.								
Algo: For any continious function f(x) &	afternation a b c f(a) f(b)								
Stepli- For two points say a and b such that act	1 1 2 1.5 -1 3								
and \$(a) * \$(b) < 0 =	2 1.5 2 1.75 -1.125 3								
Step 2: Find midpoint C= 2	3 1.5 1.75 1.625 -1.125 0.6094								
Step3: 9f c is the most of f(x) ie f(c)=Oitingio	4 1.625 1.75 1.6875 -0.3398 0.6094								
else f(c) * f(b) <0; let b= c	5 . 6 . 7 . 7 . 7 . 7 . 7 . 7 . 7 . 7 . 7								
Step4:- Repeat Step 2, Step 3, Step 4 until \$(0) = 0	# 5708/20-								
g. Determine the most of given ext 320	6 (100 1.6562 1.6875 1.6719 -0.1132, 0.1179)								
	7 1.6562 1.6719 1.6641 -0.1132 0.001A								
let \$(n) = 2 multimase & montaces 0.00 00.00	MONTH TO THE REAL PROPERTY OF THE PARTY OF T								
Iteration a be to 100	San Liu 7th ilamortismus sugaratum								
1 2 1.5 -2 1 1 2 1.5 -2 1	50 at the 7th iteration, we get the interval								
2 1.5 2 1.75 -0.75 10 5 2 101	: 1.6719 is the approximate solution.								
0.0652	2 2x 12 12 12 5im 2-2x 41								
C WA WAS A A CONTROL OF THE WAY SHOW A SAN WAS	f(x) = 22 - x - x = f(x) = simx - 2x+1								
4. 1.625	let a=0, b=1								
5	It a=1:// b=200 f(a) f(b)								
6 1.7188 1.75 1.7344 -0.0457 0.0625	24 (0.5) K (+1) - 0.158								
7 1.7188 1.7344 1.7266 -0.6457 0.0081	2 0.5 1 0.75 0.4794 -0.158								
	3 0.75 1 0.875 0.1816 -0.158 A 0.875 1 0.9375 0.0175 -0.158								
	5 0.875 0.9375 0.9062 0.0175 -0.068								
	6 0.875 0.9062 0.8906 0.0175 -0.02								
	7 0.875 0.8906 0.8828 0.0175 -0.00								

so at the 7th iteration we get the interval	
0.875, 0.890c7 Ex- 1 = Cx	while (fabs (f(e)) > e) 184/6+ 184
그는 그 사람들이 살아보고 있는 것이 되었다. 그 그 그 사람들이 그 그 사람들이 되었다. 그리지 얼굴을 잃었다는 것이 없다는 것이 없다면 살아보다 되었다.	Step 5: - parimt aroot c
Approximate solution is 6.8906. 1 = 0	그 바로 다른 다른 사람이 가는 사람이 되었다. 그렇게 되었다면 하는 사람들이 되었다면 하는 사람들이 되었다.
22 - 2-2=0 5 d 5 moit egod).	3m: Find the moot of the solution x3+3x-5
f(x) = 2x - x - 2	学(か)= パッ+32-5 let a=1, b= 2
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₹ Step1: - Define function f(a)	8888.C - (à 2) 0 4 C4 2.875 -7
Stcp2:- Input @ lower and upper guesses a and b	2.875 4 2.9859 -0.9844
a language grown e.s d o modern	2.9984 -0.1125
-de P(a) * 1(b) > 0 Palint in coallect in it al que	esse 2.9984 A 2.9998 -0.0125
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go to step 2 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	7
#cp4:- Do c= 57 (+co) #c3-40	
=500-if fa)*f(c)<0; b=c	
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3. £ CX-	32+ +6	x - 4	5/21	0	j).	((2)) (160M	t)	j abo Peri) ∵∑	
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Derive Newton Raphson formulla using the Jaylos Servier expansion: Assume that zin is an estimate of a root of the function of (a). consider small interval he such that · 3 P. D. Sent - 1012 - 1-12 - 1012 such that We can express of (x n+1) using Jaylon series expan as follows: f(21/21) = f(21/21)+f(21/21+1)+f(21/21+1) If we neglect the temms containing the second and and higher descivatives, are get. f(am+1) = f(an) + f'(an) to If xm; is a scort of f(x) then \$ (xm+1) =0= \$ (xm)+1'(xm) & Then by the roll magnes es mes.

L= \frac{\frac{1}{(3\lambda_n)}}{\frac{1}{(3\lambda_n)}} = \frac{1}{(3\lambda_n)} = \fra There for - + (MM) (MM) = (HOND) = (HOND) 2m1 = 31 - 3(2m) whene () & somewhere in the instroyals and to sent and this on o. as I six + 2 Ryper Lave been dropped. Constant 1 3. Let us assume that the exact wind a come of imple court will a limit made, one of the last years that the precision's literative formula is