24/11/20

$$n_1 = \alpha + L_2 \Rightarrow 0 + 1.911 = 1.911$$

 $n_1 = \alpha - L_2 \Rightarrow 5 + 411 = 3.089$

$$f(x_1) = (1.911)^5 - (1.911)^3 - 20(1.911) + 5 = -42.62$$

 $f(x_1) = (3.089)^5 - 5(3.089)^3 - 20(3.089) + 5 = 77$
 $f(x_1) > f(x_1)$

30/ new interval is (0, 3,084)

a) n=6

f(x) = 0.65 - 0.45 -1.65 xtan (1); x € (0,3)

Critical Marianes

a20, b23, L23; M26; K22

 $L_{2} = \frac{F_{N-1}}{F_{N+1}} = \frac{F_{6}}{F_{4}} \times L$ $= \frac{8}{21} \times 3 = 1.142$

71=0+1.142=1.142

72 = 3 4141 = 1.858

0.324 -0.63 1.086

f(N,) = (-0.314)

APAL) = -0.493

f(al) > f(a)

0.04 -0.43

delete Ne>

New interval > (0,1,846)

$$= \begin{bmatrix} \frac{1}{2} \end{bmatrix} = \begin{bmatrix} \frac{5}{2} \end{bmatrix} = \begin{bmatrix} -\frac{1}{1} & \frac{5}{2} \end{bmatrix}$$