Morala Marcuss Toyna MI-24 18.12.2021 Experienciques possoma z guegeniem Enzavenagiunia Sindem W-27 18.12.2021

6x+8=0, (9,6]=[1,3], x2-6 12.202 1) Turyo gp-2 q(x) 6 omari R zagobiunas yeroby dinunge z conceroso La1, mo nochigobia micmb: x = cp(X = 1), (K = 1, 2...) zoiraemous go kopens X = a nou oyge-really Xo E R. Thurary ubugains zámeno-emi xapanmenegyemore republicanso: [Xn-d] = L'IXo-d] 2) Dur 7000 1100 gur Sygs-ravi gp-i f(x), t buznarenoi na maninery [9,6], 1 gull dygle-kros 1 natopy byzub xo, x,..., xn, ge X; E [a, b], X; #x; npu i # j, zagara innepnanobanne mada Eguni fl розвидок, необления, пробиния gp-in 29;(x)} (i=0,1,...,n) dyrea cuconellion Big Yearneba na [a, 6]. 9) Morariena reduceba Tn(x) bujuaranomice tak +() $T_{n}(x) = cos(n arccos x), |x| \le 1.$ Type n=1 1, (x) = cos (axrc@os x) = x Thu n=2 T2 (x) = cos (2 arccos x) = 2 cos (arccos) 2-20 puza $-1 = 2 \times -1$ nop Bucamuloconi; puzze

1. Dexyperimen coublignomense 2. Conapulie Kolep. 3. Currengue 4. Mpuro nomempurium zanuc 5. Excorperuyeus 3) Ylexair f(x) E R i Xo, X, , ..., Xn - chrimerica byjub immernanobanne, ge x; \(\times \) npu i \(\dagger \), \(\times \) [4, 6] oro (i=0,1,...,n) Ymbopuleo begnoulensel $f(x_1) - f(x_0) = f(x_0, x_1), \quad f(x_1) - f(x_1) = f(x_1, x_2)$ $f(x_1) - f(x_0) = f(x_0, x_1), \quad f(x_1) - f(x_1) = f(x_1, x_2)$ $\frac{f(x_n) - f(x_{n-1})}{x_n - x_{n-1}} = f(x_{n-1}, x_n); \text{ eye beginnered mayor}$ bajonne pozgi en bignouen run 1-10 nopagy Bignowlenne: f(x, x2) - f(x0, x,) = g(x0, x, x2), x2-x0 $f(x_2, x_2) - f(x_1, x_2) = g(x_1, x_2, x_3) - f(x_{n-1}, x_n) - f(x_{n-2}, x_{n-1}) = x_3 - x_1$! = f(xn-z; xn-1; xn): nazubasombil pozgillemu piznugelin 08A 2-20 noprigry. Anatoures bynarasomsel pozgileni pignage spentoro, rembejaroro, 1 T. g., go k-20 noprigny Anyo un bonce bujnamun pozgileni pursungi k-ro nopregry f(x; x; i, i...; x; +x) (1=0,1..., n-K),

10 pozgileni piznunga (k+1)-20 nopregny odnuc 150 romoce za gonomoro o go-lu: \$(x; x; +1; ..., x, +k) - f(x; -1; x; 1-..; x; +k-1) = X: x - x:-1 X;+k-x;-1 = 4(x; 1; x; ; x; +c) (i=1,2,n-k) Beacombo-comi cullenpurei, po 5) ellemog nazubatmod enemparatryitimes maly up inneproperegitiseet elepororeles nooggobonen f(x, y(x)) za 704kalle x; m, x; m+1, ..., x, yroninging
[x;-m, x;] buxopunobyrones gul exempanedlyi usiei q-i b rougi x; ... Marone enemparantegiumin memog etgames & Saramorporolime.

6)
$$x^{2} - 6x + 8 = 0$$
, $[a, b] = [1, 3]$, $x_{2} - 2$

Lumby $x \circ pg$: $x_{0} \neq (x_{n}) - x_{n} \neq (x_{0})$
 $x_{n+1} = \frac{1}{f(x_{n}) - f(x_{0})}$

Buznarunu x_{0} ha x_{0} :

 $f(x_{0}) \cdot f''(x_{0}) > 0$

1) $f(1) \cdot f''(1) = 3 \cdot 2 > 0$

Omnue $x_{0} = \frac{1}{f(x_{0}) - f(x_{0})}$
 $x_{1} = \frac{1}{f(x_{0}) - f(x_{0})}$

Bignologo: $(x_{1} = 2.5)$

8) $x = 3 = f(x_{0}) + \frac{2}{f(x_{0}) - 2}$
 $x_{0} = \frac{1}{f(x_{0}) - 2}$
 x

 $-\frac{(3+1)(3)(3-2)}{(1+1)(1-0)(1-2)} = 2\frac{(3+1)(3)(3-2)}{(1+1)\cdot(1-0)(1-2)} = 4$ $\frac{(3+1)(3-0)(3-1)}{(2+1)(2-0)(2-1)} = 4 - \frac{24}{6} = 0$ 2+8+4=14 B: 14) My 11:00