Monceeren Raben, UBT, 2 kgpc £1. Ilporybognaa opynagun Howenie: I y = f(x) onpeger. 6 recomps oupeanse mouri sco. Flagen omnom njupan sy opysian. 6 mori morke Ceam on cyweamb.) « upurpaus. & x apringmenina, konga sx so, najoil upongRognori функции в (х) в точке жо. Obognas: 61(xo) mu y'(xo) mu dt (xo) mu f'/x=xo Thanun ospajon, f(no) = lim sy = lim f(no+Ax)-texel Duppepenengepobassue opynkujuei - som bernamenue npoujkognoë. Thabeura: Ic-koncendrung, a u(n) u v(x) unenou moust. Brenom. morrex Thorga u(x) + v(x), c.u(x), u(x) v(x) u v(x) (rge v(x) +0) manche umerom upouse β εποῦ πουκε, ημινέω: 1(u ± v) = u' ± v'; 2(u • τ)' = u' v + u v'; β κατων (τω)' ± τω';<math>(u)' = u' v + u v'; (ω)' = u' v + u v'; β κατων (τω)' ± τω'; <math>(ω)' = u' v + u v'; β κατων (τω)' ± τω'; <math>(ω)' = u' v + u v'; β κατων (τω)' ± τω'; <math>(ω)' = u' v + u v'; β κατων (τω)' ± τω'; <math>(ω)' = u' v + u v'; β κατων (τω)' ± τω'; <math>(ω)' = u' v + u v'; β κατων (τω)' ± τω'; <math>(ω)' = u' v + u v'; β κατων (τω)' ± τω'; <math>(ω)' = u' v + u v'; β κατων (τω)' ± τω'; <math>(ω)' = u' v + u v'; β κατων (τω)' ± τω'; ων (τω)' ± τω';I meneges u = P(n) uneen monge. в monce x., a y = flu - в monce и о = Q(not. Illough cuonen opyrkusus y=fletall marke museu upourl burouke xo, museu y'(no)=g'(uo).4'(no). Teameny. Current: I y = f(x) unegen upough & moure xo. Monga cyny wacan u grapuky 3moù apyrikijun B monne Mo (xo; yo), yprie nom. y-yo = f (20) (x-xo). му у-вы примана, проход через точку касания, пермен-му расамения, декупарно масаменной, пазыв. пормания Ilpu smon f'(xo) = tgL, rge d-yron kannona smoù kacam k oeu Ox knuboie u uneen yp-ne g-go = - tind (22-20) Eau f'(rd=0 (m.e. kacam, roprizonem), mo nopmans веринсканьма и ингеет вид. n = xo. I ganor gle nepecen. B moune Molno, yol upubore y= film n y= film, numer ode apyrkesse unecom npo y bognue 6 mouna no. Morga ynion nongy junum кривоеми назыв, угон мениду касат к ним привед в шочке Мо. Этом year l'usuno naimu us populyive t g e = tilnd-tilnd. (2 (No). Логаририи произв.: при намония прощь от показат-иненек, функции u(n) na manue gp. youngg. Bupan., gonyenany. wrapupunpobanue

Typough. nearly chanksun;] y=y(x), oonag. upough b moure x jagand hearbno yp-ven F(x,y)=0. Though prough, y'(x) smon gynnym mornino nausun prograpapapapapapany. yp-ve (npu smara y crum grynky om x) u pappam. zamem nonge yp-ue omtroc. y' Sprouge bounux nonaguos: upoast t'(n) ou grangen f(x) najort minue nprouze. nep8. nopagka. B clow onepego npoyel. om f'(x) nagvil npoye. 2-10 hopegra om t(x) (une buopoù apouze) u obozear. t'(x). Areavouirn. onpeg.
apouze. repenievo nopregra (une 3-a apouze), oboznar. L'(x) u m.g. Apouze.
n-vo nopregra oboznar. f m(x). Through pope-un sagar napernemy: 3 is = \((x)\) onpeg napernemp q-un \(x = \text{\$\text{\$\ell}\$}\) u \\
y = y(\floor 1), Thorga ecin q-un \(x(\floor)\) u y(\floor) universal. B morne \(\floor\) b morne \(\floor\) universal no quality. B morne \(\text{\$\chi = \text{\$\ell}\$}\), uno oma prongh naxog no quantique \(\frac{\chi^2}{2} \), \(\text{\$\chi = \text{\$\chi = \t 4'&d = 4 (fd um g'x - 2/4) Dmopar upongl. 4"64 naxog. us 4-re: y"x = 4.24- 14. 41 Hasnuga mours. 1. (c) = 0, c = const 2. (na) = a. xa-1 (rge a & R), b nacum. (Jx) = 2 Jx 2. $(a^{x})' = a^{1x} - \ln a$ a >0 ' & yacun. $(e^{x})' = e^{x} \cdot 4 \cdot (\log_{\alpha} x)' = \frac{1}{\pi \ln a}$, a >0, $\alpha \neq 1$; & yacun. $(\ln x)' = \frac{1}{x}$ 5. $(\sin x)' = \cos x'$ 6. $(\cos x)' = -\sin x$; $4 \cdot (+ gx)' = \frac{1}{\cos^{2} x}$ 8. $(\cot gx)' = -\frac{1}{\sin^{2} x}$ 9. $(\operatorname{ave} \sin x)' = \frac{1}{1 + x^{2}}$ 10. $(\operatorname{ave} \cos x)' = -\frac{1}{1 + x^{2}}$ 11. $(\operatorname{ave} + gx)' = \frac{1}{1 + x^{2}}$ 12. $(\operatorname{ave} - gx)' = -\frac{1}{1 + x^{2}}$ 1+22/ 13. (shx)=ehx; 14. (chx)'=shx; 15. (thx)'= thx; 16. (cthx)'=- 5h2x