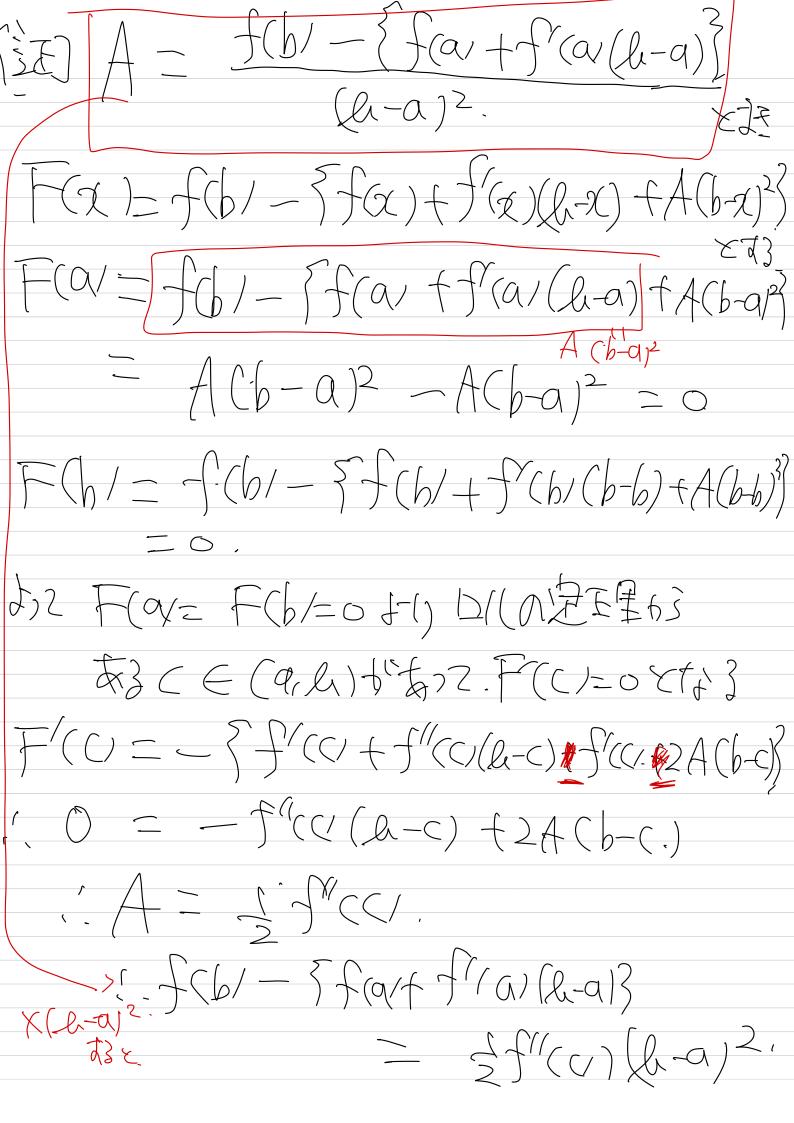
5高次導際教と下行一个理里. 定载了于(x)を下图ILM然仅分到在在赞致とわ fox) #1 I 上线好管在2"表36年, 是2121份外有在2011. f'(x) = (f'(x))'(x(2x)) = (f同体上的回线分型能的外交基础较长级  $f(n)(\chi) = \left(f(n-1)(\chi)\right)/2+f(\chi)$ JCh(21)17 - day ( = 4)( [1711]  $f(x) = x^3, f'(x) = 3x^2, f'(x) = 6x,$  $f''(\chi) = f^{(3)}(\chi) = 6$ ,  $f^{(N)}(\chi) = 0$  (N=4)  $\{f(z)\}$   $f(z) = e^{z}$ ,  $f(z) = e^{z}$ ,  $f(x) = e^{x} \left( \frac{1}{\sqrt{2}} \right)$  $\begin{array}{c}
(13) & f(7) = 51 \text{ m/}, f(4) = \cos(1) \\
f'(4) = -\sin(1) f(4) = -\cos(1) f(4) = -\cos(1)
\end{array}$  $f(n) = \sum_{n=2m+1}^{\infty} (-1)^m \sin x \qquad N=2m$ 

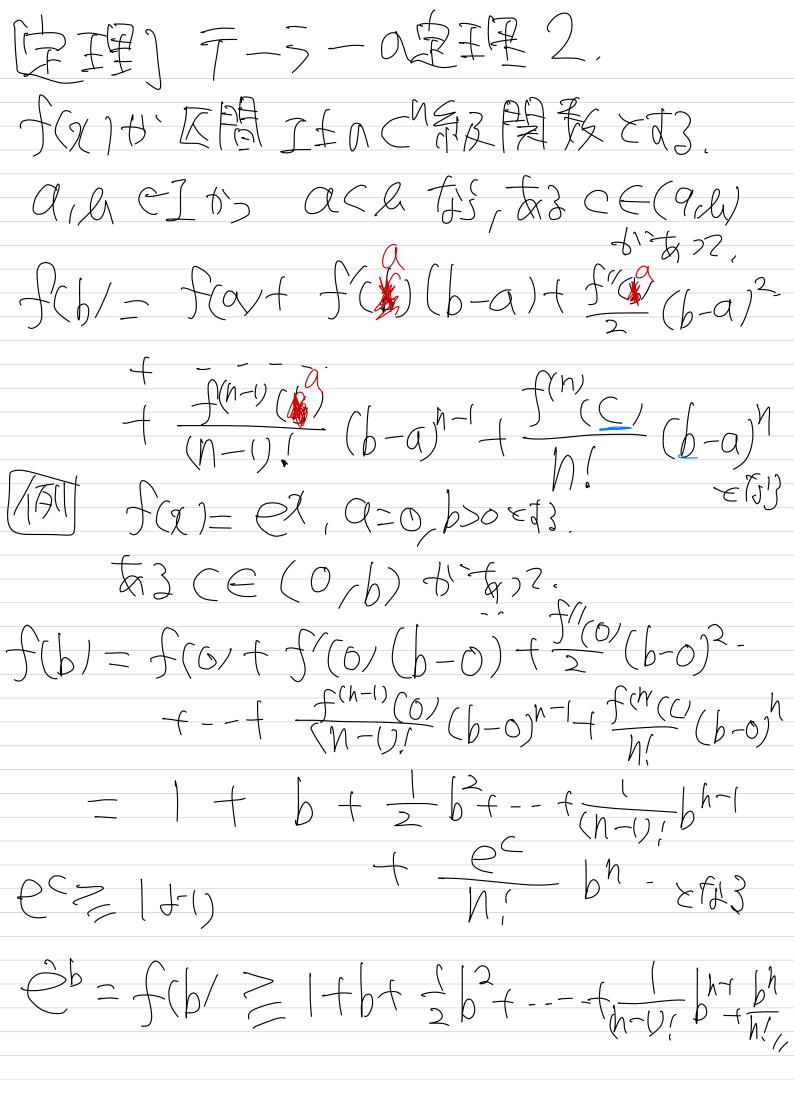
1 - 1 (SC)H1. N (2) (AXA) = FE t) 侧处于菜类的年 fit Character · 任意的 NE(X 上)1/2, 新公司教及入经 for Con Star Ecci 望然力(新及)で表力・・・・ COSTA HLT +1" + (6713 12) 76/1 E() (B) J., Sind, CoSt, et, Logx 77-17-1

定理了了一一一一点理1. f(X) + 是图III (2条及位别较) 9/ln EI (ach) 1=117. \$3 CE(9,4) Hfr. f(b/= f(a) + f(a)(b-a) + f'(c) (b-a)2  $(1711) f(1) = e^{x}, q=0, lh>0 et 3.$ = 160, lh>0 et 3. $f(b) = f(a) + f'(a) (b-a) + \frac{f'(c)(b-a)^2}{2}$ ( e = ) + lu+ f/(c/l² = = 3. Jn(U= e = 1 +1) f(b/= eb-> 1+h+ = l2 < fi3 er EDIRI TOPK (F.)



「加用」2次の導質数程が大塚随利定式。 DETEN SOX 18 点内 的对于1712中最过行 C2号联盟报签图 f'(q) = 0, f''(q) > 0 (a) f''(q) = 0, f''(q) < 0 (a) f''(q) = 0, f''(q) < 0 (a) f''(q) = 0, f''(q) < 0 (b) f''(q) = 0, f''(q) < 0 (c) f''(q) = 0(A) +(x) = x3 - x-A + (b) +(b) +(b) [-f2] f(x)=3x2-1dy  $(f(\chi)=\delta) \chi = f(\frac{1}{3}+i)f(\chi)$   $= 5\pi$ 1-13 1/16B21, f/(9()=6x1-1) J'((3)=6(3>0) 11 fa/11 x=(32" 12" 12") J'(-(3) = -6(3<0) foc/101=-(32" fot

(32.) So (17(1). (43.0)1/120 XE (a=E, QEE) sis X+9 (=1)2, 7/5一个定理上(), QKX内間及发C+1、1/2、  $f(x) = f(x) + f'(y)(x-a) + \frac{f''(x)}{2}(x-a)^2$  $= \int (x + \frac{f''(x)}{2} (x - a)^{2}.$  $\rightarrow$   $+(\alpha)$ . 2 = a (2) = (x) > (a) f (20 21 / 1/2/11)



[] [] Z/\,4  $A = \frac{1}{(b-a)^n} \int \frac{b}{b} db - \left[ \int \frac{a}{4} + \int \frac{a}{4} + \int \frac{a}{b-a} + --- + \frac{a}{h-1} + \frac{a}{h-1} \right] db}$  $\frac{1}{f(x)} = \frac{1}{f(x)} = \frac{1$ Etc. F() /= F(0) = 0 + (1) 如人人是王里州一个人人一个位于日本了 ==27° a<<<li>Late of the contraction of the contrac 8 + 5,7. C= Q+ Q(2-a) C7;3. 

原理有限一一一展開。 分() 全器区图I上及()新数数23 QCI & BAB (4200 dE] 1-2012. \$30 (01) + \$12.  $f(x) = f(a) + f'(q) + \frac{f'(a)}{2} (x-q)^2 + \dots$  $--+\frac{fn-v(a)}{(N-1)/(2-a)^{N-1}}\frac{f(n-1)}{(n-1)/(2-a)^{N$ たかをメーロにまける存界で一ラー展開という J(M(A+O(A-a)) (X-a) 1 = #1 = IR Z (1) Q=00KH有限270-11上展開 11/2 ×

1/12 JERI-117. 53 0<0<1+142.  $37n2 = 2 - \frac{213}{31} + \frac{215}{51} - \frac{213}{31} + \frac{215}{51} - \frac{213}{51} + \frac{215}{51} - \frac{215}{51} \frac{215$  $--+\frac{(-1)^{N-1}\sqrt{2^{N-1}}}{\sqrt{2^{N-1}}\sqrt{2^{N-1}}}+\frac{(-1)^{N}\sqrt{5}\ln(6\alpha)}{(2N)}\sqrt{2^{N}}$ EF23= 287t, 152 J(S()= STN2( ET3, Q=04(2 FFE7-5-FEFA) EE5113  $f(x) = (-1)^{M} S^{2} m (-1)^{M} Cos (-1)^$ fr - 2 m  $f(x) = \frac{2n-1}{5} f(x(0)) + \frac{4(2n)(0x)}{2n} + \frac{2n}{2n} + \frac{2n-1}{2n} + \frac{2n}{2n} + \frac{2$ E [ ] 51. £12 137.

