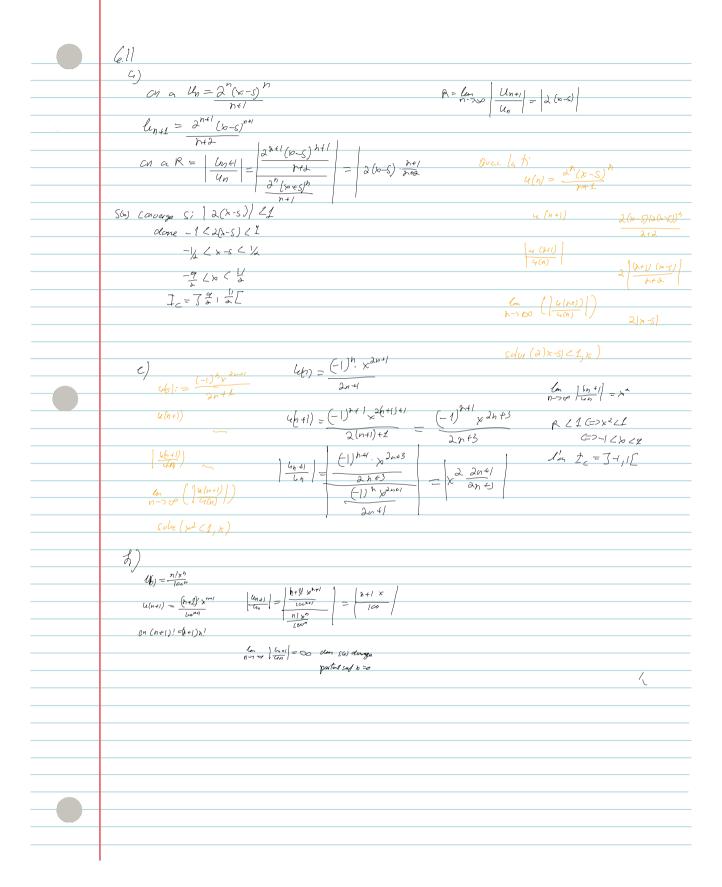
6.2 V(16) =-3 G(10) =4 & G'(10) = 1/6 $h(l0) = 25 \quad V(l0) = -3 \quad C(l0) = 4 \quad C_1(l0) = 36$ $f(l) = 4 \quad f(l0) = 36 \quad f(l0) = 4 \quad C_1(l0) = 36 \quad f(l0) = 4 \quad C_2(l0) = 36 \quad f(l0) = 4 \quad C_2(l0) = 36 \quad f(l0) = 4 \quad C_2(l0) = 36 \quad C_2(l0) = 36$ $\frac{1}{1}(x) = \frac{h(0)}{h(0)} + \frac{h(0)}{1}(x_0 + 0) + \frac{h^{(3)}(h)}{2h}(x_1 + 0)^2 + \frac{h^{(3)}(h)}{3!}(x_1 - 0)^3$ $h(0) = \frac{1}{5} (k) = 25 - 3(1) + \frac{1}{2} (0)^{2} + \frac{2}{6} (1)^{3} = \frac{123}{5}$ = 25 - 3(10-19+1/2 (10-6))2 + 34 (10-10)3 avec $C_n = f(n)$ n! $Cn = \binom{f^{(n)}}{n!} \quad done \quad f^{(n)}(a) = n! \quad G_n$ 1(c) = 11c,=2 6.5 6) f(4) = sm 4x $f_6 = \sum_{n=1}^{k} (n (x-c)^n) \text{ and } (n = \int_{n'}^{(n)} (c) \frac{1}{n'}$ $\begin{cases}
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1 & f(c$ 1 (e) = 109926 => Ce = (b) = 229



(.14)
6) $f(x) = 3x \ln (1+3x)$ $cn \ G \ \ln (1+4) = \sum_{n=2}^{\infty} (-1)^{n} \frac{u^{n}}{n+1} = u - \frac{u^{n}}{1} + \frac{u^{n}}{3} + \frac{u^{n}}{1} + \frac{u^{n}}{3} + \frac{u^{n}}$ $u \in \int_{-1}^{-1} \int_{1}^{1} \left(\frac{\partial u}{\partial x}\right)^{2} + \left(\frac{\partial u}{\partial x}\right)^{2} + \left(\frac{\partial u}{\partial x}\right)^{2} + \left(\frac{\partial u}{\partial x}\right)^{2} \dots$ On a $\ln(1+3r) = \sum_{k=1}^{\infty} (-1)^k \frac{(3r)^{\lambda-1}}{n+1}$ avec -1<3+<1 =>-1/2<x<1/3 = (x) 2 - (2+)1 + (3+4 - (2)5 + (3x)6 One 3 pla (1+) = $\frac{2}{5}$ (4) $\frac{1}{5}$ $\frac{1$ on a for = & (2x2)2 1(+) = 1+(-2x)2+(-2x)2+(-2x2)3+(-2x2)4. = 1-dx+_dax4-23x4+256-23x6+1 古くとくは 6.21 $T = \int_0^{\sqrt{a}} x^2 e^{ix^2} dx = \int_0^{\sqrt{a}} \left(\int_0^{\sqrt{a}} x^2 - \frac{x^4}{2!} + \frac{x^$ () I= (1/2 x2 e-t ds $e^{-y^{2}} = 1 + \frac{(-y^{2})}{2!} + \left(\frac{-x^{2}}{2!}\right)^{2} + \left(\frac{-x^{2}}{3!}\right)^{2} + \dots$ $x^{2} e^{-y^{2}} = y^{2} - x^{5} + x^{6} - \frac{3}{3!} + \frac{p^{5}}{7!}$ II6.24 Ona a- 5 1= 3 C) [+(=)+(=)+(=)2+(=)3+-= a + 90 + cor2+913+... at S=3+ G =3 1/4 =12 r= 2/2 S1[r/L] => S = 1-x Sonn s averge on a IVI C1 donc le sais comege S = 7-7 = 1-2/2 = 3

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|----------|---|--|
| | $ \frac{1}{2} \frac{4^{n+2}}{6^{n}} = \frac{2}{6^{n}} \frac{4^{n}}{6^{n}} + \frac{2^{n}}{6^{n}} \frac{2^{n}}{6^{n}} $ | |
| | 1-1 6" = Z 6" t 2 6" | |
| | $= \underset{h>1}{\overset{Q_0}{\not=}} \left(\frac{2}{3}\right)^h \underbrace{\overset{Q_0}{\not=}}_{\overset{Q_0}{\not=}} \left(\frac{1}{3}\right)^h$ | |
| <u> </u> | | |
| | $S_1 = \frac{2}{n} \left(\frac{2}{3} \right)^n = \frac{2}{n-1} $ | Sx = \(\frac{2}{5}\frac{1}{5} = \frac{2}{5}\frac{1}{3}\frac{1}{3}\frac{1}{3}\frac{1}{3}\frac{1}{3} |
| | h=(h=/ | G= 43+1= 1/3 <4 |
| | a = 2/3 1 = 12/3 | 42 15 15 15 15 15 15 15 15 15 15 15 15 15 |
| | S ₁ = 2/3 1-2/5 - 2 | $doc S_n = \frac{C_n}{1-r} = \frac{1}{r}$ |
| | | lone 5 = 51 + 5 = 2 + 1/2 = 5/a |
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| | 6.25 | |
| | d= 8+ C8 + C28 + C28+ | |
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| | 8 hch-1 = t- = 1-c | |
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