188.14
$\frac{(1) \sin^h X \leq \frac{1}{N^2} \sin^h X }{ \sin^h X } \leq \frac{1}{N^2} \sin^h X $
(3) lnX <1 2) & <x<e 1.="" i="(&,e)</td"></x<e>
288. 15
(1) $\frac{\chi^h}{h(h+1)} \leq \frac{\chi^h}{h^2} \leq X \leq$
(3) $\frac{(2)}{1000} \leq \frac{(2)}{1000} \leq \frac{(2)}{10000} \leq \frac{(2)}{1000} \leq$
(5) the PSONG IXI"< => I=(-1,1) PEU,1], I=[-1,1)
PSIP, 1x1/2] [=[-1,1]
288, 17
$(1)(\frac{1}{1-x^{2h+1}})' = \frac{1}{1-x^{2h}} = \frac{x^{2h-1}}{1-x^{2h}}$
$\frac{1}{2} \sum_{x \in [-1,1]} \int_{-1}^{1} \frac{1}{2} dx = \int_{-1$
(3) 2 - 12 (-x) - (N(N-1)-10) (-x) - (N(N-1)-10) (-x)
<i>a</i>
(\$) S(x) = \(\int \text{X}\) \(\text{N} \) \(\text{S(x)} = \(\int \text{X} + \text{C(x+C)}\)
(10)=U=) G=O. S(U)=U=) G=O S(X)=U-X) n(1-X)+X X=[b]. In-h S(X)=1-h1 (S(X)=1-h.)
X=[10]. [- 1 - 1 2 S(X)= 1- 1 = 1
$ \frac{20}{(1-1)^{n-1}} \left(\frac{h(h-1)+h}{x^n} \right) \times \frac{1}{x^n} = \frac{(-1)^{n-1}}{x^n} \left(\frac{x^n}{x^n} \right)^{n-1} + \frac{x^n}{x^n} + \frac{x^n}{x^n} + \frac{x^n}{x^n} + \frac{x^n}{x^n} + \frac{x^n}{x^n} \right) = -\frac{x^n}{x^n} \left(\frac{x^n}{x^n} \right)^{n-1} + \frac{x^n}{x^n} + \frac{x^n}{x^n$
= (-1)" (X'([X")"+ X([X"]") = -X2"[(-X)" X [(-X)"")
= (1+X)3 XE(4,1)