(7) Observe consumer part a?

$$\sum_{n=1}^{\infty} |n^{n}(1+x^{2})| = \lim_{n\to\infty} \left| \frac{f_{n+1}(x)}{f_{n}(x)} \right| = \lim_{n\to\infty} \left| \frac{|n^{n+1}(1+x^{2})|}{|n^{n}(1+x^{2})|} \right| = \lim_{n\to\infty} \left| \frac{|n^{n}(1+x^{2})|}{|n^{n}(1+x^{2})|} \right$$

(3) Hypomenymen chalumenus?

$$\sum_{n=0}^{\infty} \frac{n \cdot x^{n}}{4^{n} (n^{2}+1)}$$

$$\lim_{n\to\infty} \left| \frac{f_{n+1}(x)}{f_{n}(x)} \right| \cdot \left| \lim_{n\to\infty} \left| \frac{(n-1) \cdot x^{n+1} \cdot 4^{n} / n^{2}+1}{n \cdot x^{n} \cdot 4^{n+1} ((n+1)^{2}+1)} \right| = \lim_{n\to\infty} \left| \frac{(n+1) \cdot x \cdot (n^{2}+1)}{4^{n} (n^{2}+2n+3)} \right| = \frac{|x|}{4};$$

$$\lim_{n\to\infty} \left| \frac{(n+1) \cdot x \cdot (n^{2}+1)}{4^{n} (n^{2}+2n+3)} \right| = \frac{|x|}{4};$$

$$\lim_{n\to\infty} \left| \frac{|x|}{4^{n} (n^{2}+2n+3)} \right| = \sum_{n=0}^{\infty} \frac{n}{n^{2}+1} < \sum_{n=0}^{\infty} \frac{n}{n$$

2. X=-4: $\sum_{n=0}^{\infty} \frac{n \cdot (-v)^n}{4^n \cdot (n^2+t)}$; $\sum_{n=0}^{\infty} \frac{n(-v)^n}{v^n \cdot (n^2+t)} = 0$ - yolds. no moderno.

 $\sum_{k=0}^{\infty} = 1 + \dots - \frac{16 \cdot 18 \cdot 28}{625 \cdot 4!} \chi^{4} + \dots$

 $-\frac{16.14.28}{625.43.1} = -\frac{336}{625}$

 $f^{3}(0) = -\frac{16}{25} \cdot (-9)_{5} \cdot 2 \cdot \frac{1}{(1+2X)^{6/5}} =$

 $f_{A}(0) = \frac{19 \cdot 16}{19 \cdot 16} \cdot (-1/2) \cdot 5 \cdot \frac{(1+5X)_{10/2}}{1} =$

2)
$$D = \omega h$$
. $c \times \omega 0$, $c \times \omega 0$, $c \times \omega 0$. $c \times \omega$

