ZADANIA POLOTÉRZENIONE - KOLOKWILLY 2
Ladt. Ibadel Vietrost rieregn
a) $\leq \frac{n\sqrt{n^2 - nt^3}}{n^2 \cdot \sqrt{n}}$ b) $\leq \frac{(n+1)^{n^2} \cdot \sqrt{n}}{(n+1)^{n^2} \cdot \sqrt{n}}$ c) $\leq \frac{n! \cdot 2^n}{n^n}$
d) $\frac{2}{2020^{4}-2019^{4}}$ e) $\frac{2}{4^{4}}\frac{(2n-1)!}{(n+3)!}$ f) $\frac{5}{4}\frac{5^{4}(3n)!}{(3n)!}$
$9) \stackrel{2}{\underset{u=1}{}} \frac{2^{-2n} \cdot 3^{n+1}}{5^{2n}} $ $1) \stackrel{2}{\underset{u=0}{}} \left(\frac{2ut3}{2ut5}\right)^{2n^2} i) \stackrel{3}{\underset{u=1}{}} \frac{ut \sqrt{n^2+2}}{n^3+1}$
2002. Wy surcupt promised i obstar rbiethosici surveyor protespocrespo $\frac{x^{n}}{a} = \frac{x^{n}}{\sqrt{2n+5} \cdot 3^{n}}$
$\alpha) \stackrel{2}{\underset{u=0}{\sum}} (ut2) \times n \qquad 20) \stackrel{2}{\underset{u=0}{\sum}} \frac{x^{n}}{\sqrt{2ut5.3n}}$
c) $\frac{x}{\sum_{u=1}^{\infty}} \frac{x}{u^2+1} (x+1)^u d) = \frac{(x-2)^{2u}}{5^u(u^2+3u)}$
2003 Ronsingé la siève p Machausine femlige:
$\times$

a) 
$$f(x) = \sin \frac{x}{2}$$
 b)  $f(x) = \frac{1}{2+3x}$  c)  $f(x) = \ln(2+x)$   
a)  $f(x) = \frac{1}{e^{4x}}$ . John jert obron rbiernosin ohymnenerp steregn?

Lody Wyseveryt disherne lotrelue femligi a)  $f(x,y) = e^{3x-2y}(3x^2-y^2)$  b)  $f(x,y) = x^3-y^3+6xy+12$ 

$$\frac{1}{2} \frac{1}{2} \frac{1}$$

