Ex1 SupA = ? TufA=? WinA=) waxA=? pr. mult din R:

1.2.
$$B = \{ (-1)^m . \underline{am + 6m + 1} \mid u_1 u \in M \}$$

1.3.
$$C = \{(-1)^{m+1} \frac{m+m}{am+n} / m, m \in N \cup 909 \}$$

EXI De Deu en dy ca simule won. Sout sinni Concluy:

1.2)
$$H_n = \frac{(\sin 1)^n}{3^2} + \frac{(\sin 2)^n}{3^4} + \dots + \frac{(\sin n)^n}{3^{2n}}$$

(2) Oben au def. ca franke unu. au limits:
$$2.1)$$
 $2n = 2^{m} - \frac{1}{m^{2}} + 4$ $2.3)$ $2n = \sqrt{n^{2}+1} - n$

2.1)
$$\neq n = 2^m - \frac{1}{m^2} + 4$$

 $(2.2) \times n = 3^{n} - \frac{2}{n+1} + 1$

(3) lim ×n =? purtou simule:

a) ×1=1 , ×n=3×n+p, n>1

b) ×1=1 , ×n=4×n+a, n>1

e) ×1=2 ×n+=2×n+a h>1

III) lein *\u =? Thie *\u = ? pueter & route:

a) $x_{u} = \left(\frac{m+a}{m+b}\right)^{m} \cdot (-1)^{m} + (-1)^{m+1} + \sin \frac{m\pi}{2}, u \in \mathbb{N}$

6) $2n - \left(\frac{m+\alpha}{m-5}\right)^{2n} \cdot (-1)^{\frac{m(n+1)}{2}} + \omega_0 \frac{m(n+1)}{2}, u \in \mathbb{N}$

c) $m = (-1)^{\frac{m(n+1)(n+2)}{3}} + (-1)^{m} + cos u \pi, u \in N$

d) $\star u = (-1)^{\frac{m(mti)(nti)}{3}} \cdot (\frac{1}{a})^{mti} + \sin mu, u \in W$

Tu

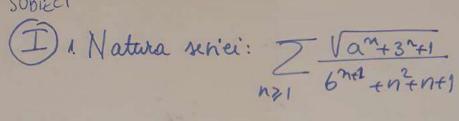
1) Studiati uniform continuidate fot:

5)
$$f:(o_{1}\infty) \to \mathbb{R}$$
, $f(\kappa) = \frac{2}{2^{2}+3x}$.
c) $f:[o_{1}\infty) \to \mathbb{R}$, $f(\kappa) = e^{-2x}+2$

e)
$$f: (-\infty, 1) \to \mathbb{R}$$
 $f(x) = \frac{1}{x-1}$
f) $f: (-\infty, 2) \to \mathbb{R}$

$$f$$
) $f: (-\infty, 2) \rightarrow \mathbb{R}, \quad f(x) = \frac{x}{x-2}.$

2) Fie f: R > R, f(x) = Vx2+a Dem ca: f(*+1)-f(*) ≤ 1, +x ∈ R



2. Absolut convergente seriei
$$\frac{2^{n+3}}{(n+1)^{n+1}}$$

Stebrliti:

daca:

. A compacta

. A coueka.