Not: $(\forall x \in \mathbb{R})$ $\int [x] := \max \{ n \in \mathbb{Z} | n \leq x \} \in \mathbb{Z}$ Not park fractionari: $frac \{x\} := x - [x] \in [o_3] \setminus (C\mathbb{R})$ S : [-7]= -7, froc 1-x} 20 [8,3]=8 fac 48,33=0,3 [-9,2]=-10 frac 29,2}=0,8 Exerc: N = R2; (+x, you) x ny cos x-you Sem ca: (1) (*xyek) xny = frac 4x3 = frac 4y3; (2) Ne Golv (R); (3) R/N ~ [0;1) (SR)

(1) Re x, ye & ourb, franke. x ry = x-ye Z = [xJ-[y] + foo 3x3-fac ryse Z (s) [x]+factx] free ho)-free hy } e Z () free ho? - free hy) e Zn(-1,1) = 103() e[4,0] (foc 1x3 - fac 1y3 = 0 (fac 1x) = frac 1x3 = (2) Fire x, y, z eik arb, fixate froe 1x3 = frac 1x3 (2) x NX => 10 reflexiva bea x niy (1) fac 4x3 = from 4y32 >> for 4y3 = for 2032 >> y not pure from

Apra x nov or un 7 (3) for 1 2 bea xoy or yot () for 1x3 = frac 4y1 & from 4y3 = from 429 or factis fracted (1) x 10 ton from situal

=> no e Eclar (R)