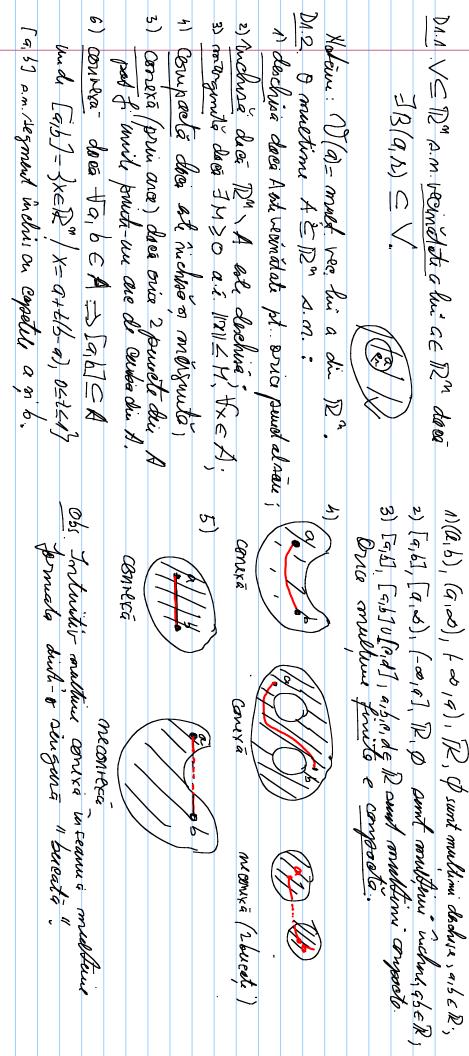
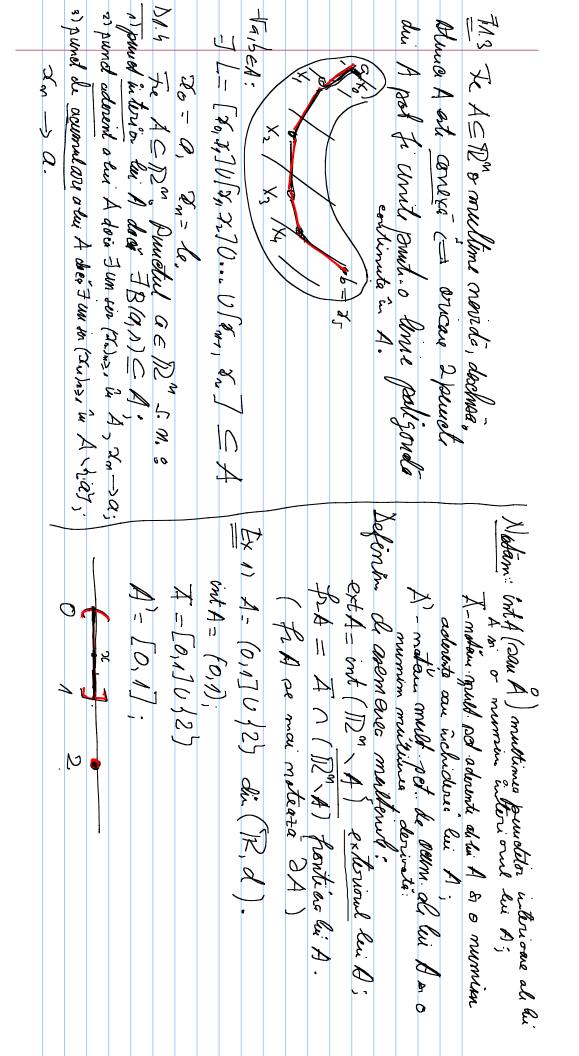
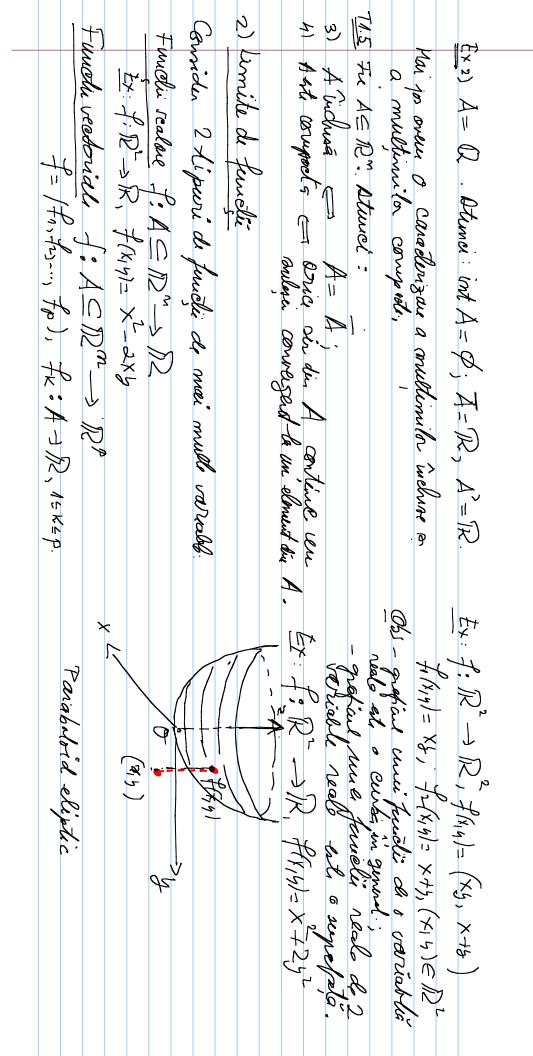
$\beta(a, h)$	Fix 0 ER" in 12>D. Definam in continuore wouldown multim:
	Astfel pe R" anem o Arustura algebrica si una midrica
$B(0, x) = \frac{1}{2}(x, y) \in \mathbb{R}^{2}(x-x) + (x-x) + (x$	Distante $d(x,y)=1/x-y/1=\left(\sum_{x}(x-y_x)^2\right)^{1/2}$ dist. Euclidians
S(a, 1)= { (x, 1) = (x-x-) = (Harma 1/41/=V <x,x> = (2 x/2) /2 marma Endidions</x,x>
S(a, 1)= fxell / 1x-9/= h >= fa-2, A2)	Produs Colles (7,4) = 3,4, + + 2m/
B (GA)= {xell/1xa/5/2}=[9-2,942]	(TI) of () of (
$\mathbb{E}(a,x) = \{x \in \mathbb{R} \mid /x - g/2 \} = \{q - \lambda, q + \lambda\}$	x+y=/(x,+h,,, Xm+yn) soluciae;
EM In(IR, d), d K, 1 = 1x-41, x, 4 ∈ 1/2 orem:	De 7= (2, 2m), y= (4,, ym) de 12, XEK
S(9, N)= {x \in R" d(a, x)= N) sprado centra a ne razá te.	of forther
B(a, 1)= {x \in \mathbb{R}^1/d(a, x) \le \mathbb{R}^2) belà inchis de centra	$\mathbb{R}^{h} = \mathbb{R} \times_{\bullet \bullet} \times \mathbb{R} = \{x \mid x = (x_1, \dots, x_n), x_2, \dots, x_n \in \mathbb{R} \} \mathbb{B}[a, n] = \{x \in \mathbb{R}^n \mid d/a, x \mid \leq k \} belà inchis de centra$
B(a, h)= {x \in P" d/a, x) < h}-bilg chehre do	1 Spoper Encliden Ra
mahil	Note Tile Tundi reel de mai multe variabile



Exemple Consider (R, d), d- andres Euclideana





De 1 Spencem en fenching fair limite le sucted a motor limite le succession on props 11x-91125 => 1/769-6/12 E. T22 Urmétorele afermalie sent colindent: PI function recoloriels oran womatoul regulat: $\int_{x\to 0} \int_{x\to 0}$ Tufo A SIRM -> TOP J-(4) -- To Trans, un sin du A 1 ha), om -> a - + H(Im) -> L (da & M > o.) Dem: Fre (Im)421 jen dur A1 las, Im -> a. $\xi \times 2 \cdot \vec{+} \cdot \mathbb{R} \to \mathbb{R}^{2} \cdot \vec{+} (x_{1}y) = (x_{1} + y_{2}) \cdot 2 \times y_{3} \cdot 2 \times y_{3}$ Exi 1: R-1R, fr/4)= x + 2xy Btune DECI (à) reg. s. objens des teorens referstoons & journi du spediul MP (cun product, $(x_1, x_2) + (x_1, x_1) = x_1 + 2 \cdot 1 \cdot 2 = 5$ lim f(x) = (lim f(x)) ... | lim f(x))

x-a

duca limitele den mendaul drept existe or sunt finite. I lim f(x) = l c= I I lim f(x) = ly-..., x-sa I lim f(x) = ly-..., x-sa I lim f(x)- lo

