ESPACIOS METRICOS

- · DIAMETROS
- · FRONTERD
- PUNTOS DE RC.

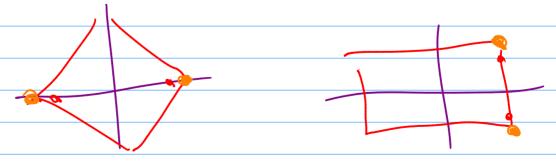
$$= [0, b-a)$$

FIRST:

$$A(X, \Gamma) = A(X, \Gamma)$$

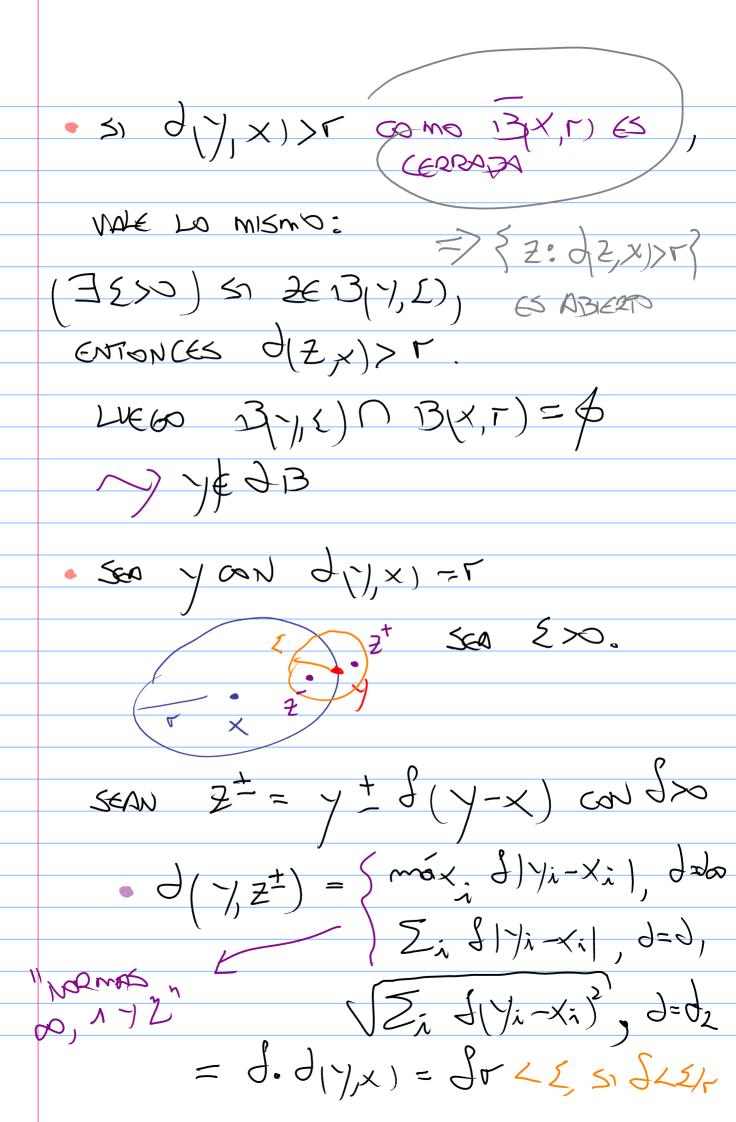
A(Y, Z) $A(Y, X) + A(Z, X)$

3)
$$EN R^{m}$$
 cond d_{2} , $\leq_{1} 3 = 3 \times (1)$, $Jian 3 = 2r$:



A)
$$E = \{J_0, J\}$$
 · SEA MOO, SEA SUT
SEA $f \in E$ · ASÍ $d(f - E, f + E) = 2E$
PARA DI DA

Com
$$f \neq \xi \in \exists [f,r],$$
 $\Rightarrow \lim_{N \to \infty} \exists [f,r] = 2r$
 $\Rightarrow \lim_$



2)
$$en = Q[0,1],$$

 $\partial_{1}(3f,r) = \{3: d(3,f) = r\}$
 $end = \{1: d(3,f)$

(f) E un conjunto no vacío, con la métrica

$$d(x,y) = \begin{cases} 0, & \text{si } x = y, \\ 1, & \text{si } x \neq y. \end{cases}$$

3(x,1/2) = {x} \frac{\frac{1}{2}}{2}

3(x,12) () EVA = \$

$$\rightarrow$$

3(x,12) (a = \$