(5)

C([0,1])

$$\stackrel{r)}{R^2}$$

$$\overset{(X,\,d)}{\underset{X}{x}\in}$$

$$B(x,r) = \begin{cases} \{x\}, r < 1 \\ X, r \ge 1 \end{cases}$$

$$\tilde{\tilde{\mathbf{n}}}^{\mathbf{n}}_{(X,\,d)}$$

$$E(x,r) = \begin{cases} \{x\}, & r = 0 \\ X - \{x\}, r = 1 \\ \emptyset, & r \neq 0 \\ r \neq 0 \end{cases}$$

$$\begin{matrix} (X,d) \\ A \subset \\ X \\ A \end{matrix}$$

$$\delta(A) := \sup_{x,y \in A} d(x,y).$$