b) s.v. Nadamard. $(2 \times + 1)^{n}$ $(3 \times + 1)^{n}$ $(4)^{n}$ $(2 \times + 1)^{n}$ $(4)^{n}$ $(4)^{n}$ (4 $\frac{1}{1} \frac{1}{1} \frac{1}$ p=1/2 1x-1/21 < 1/2 d.hx(0,1) (*) $(2x-1)^n = (2(x+1/2))^n = 2^n (x+1/2)^n$ Zan(x-to) Wen p= lim Frant ex olu 4) Hay nubellant. Nowegrent 2 au (x-xo) un

$$A3) f : \mathbb{R}^{2} - 0 \mathbb{R} : \qquad I = 0 \times - \frac{1}{5} y , y = 3 \times 0$$

$$0 + = (3x^{2} + y) = 0 = 0 \quad I = 0 \quad -3x^{2} + 3x = 0$$

$$x(x-1) = 0$$

$$x = (0,0) \quad \overrightarrow{x}_{2} = (1,3)$$

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Au) a)
$$2^{1}(t) = \frac{2t}{e^{2}(t)}$$
 , $2(0) = 0$
 $2^{1}(e^{2} - 2t) = \frac{2t}{e^{2}(t)}$, $2^{2}(0) = 0$
 $2^{2}(e^{2} - 2t) = \frac{2t}{e^{2}(t)}$, $2^{2}(t) = \frac{2t}{e^{2}(t)}$, $2^{2}(t$

As) a)
$$f(x) = f(x)$$
 $a = f(x)$
 $b = f(y)$
 $f(x) = f(y)$
 $f(x) = f(y)$
 $f(x) = f(x)$
 $f(x) = f(x)$

letbrit, brandier Honotoire von au b) W R H ist offen - o hunge de offene Interalle (R) 7 = 7 abgeschl. -0 0 0 0 0 2 $f(x) = 1/x \qquad \text{for } f = \infty$ $1 + \cos 2 dx = \pi - 0$ d) W $f(x) > 0 \quad \neq x \in [0,1] = 0(1)$ elW f (f 1/x1) anf t-1,13 y=0 h) W notw. Bed. 9) F

