Mama: I manul AS Tugay Andisis fal II NIM: 1811141008

1) Jikn XER, didefinisken [X] sebigai bilangu bulat terbejar n sehingga n (x.

Tentulan titile - titik dimana Fungsi berikut tidak kontinu.

a) f(x) = [x]

Paydosia:

Note: +(x) = [x] = [x]

Misalk-n R= &- 0 (x < 00 | x = R }

A= &-oo < n < 00 | n < R }

 $A \subseteq \mathbb{R}$, $f: A \to \mathbb{R}$ dan ..., $-4, -3, -2, -1, 0, 1, 2, 3, 4, ... \in A$. f distantino di Hille ..., $-4, -3, -2, -1, 0, 1, 2, 3, 4, ... \in A$ kanena ada banjan (x_n) di A yay tenlergan le ..., -1, 0, 1, ..., f etapi barisan ($f(x_n)$) tedak tenferga ke ..., f(-1), f(0), f(1),....

b) g(x) = x [x]

Penyelyzion:

Misslen R= &-&< x<0 | x \in R 3

N= & \tau \in < \in < \in \lambda | n \in R 3

ACR, 9: A7R dan 1,2,4,9,... EA.

9 disbontino di titik 1,44,9,... Ex

Kavena ada barisan (xn) di A yang konvergen le 1,2,4,9,...

tetapi barisan (g. (xn)) trdak bununga ka g (1), g(2), g(4), g(9), ...

c) h(x) = [[sin(x)]]Misalken $R = \{-\infty < n < \infty \mid n \in \mathbb{R}\}$ $A = \{-\infty < n < \infty \mid n \in \mathbb{R}\}$

> $A \subseteq R$, $h: A \to R$ dan ..., $-6, -3, 0, 3, 6, ... \in A$ A distantino di titit ..., $-6, -3, 0, 3, 6, ... \in A$ Katera ada barvan (x_n) di A gang konvergen ke ..., -6, -3, 0, 3, 6, ...tetapi barisan $(h(x_n))$ tedak kunvergen ke ..., h(-6), h(-3), h(0), h(3), h(6), ...

d.) $k(x) = [[1/x]], (x \neq 0)$ $Misilkan \quad R = d - \infty < x < \infty | x \in [R]$ $A = d - \infty < n < \infty | n \in R$

A $\subseteq R$, $k:A \ni R$ den..., -1,0,1,... $\in A$ K dykontinu di fitik ..., -1,0,1,... $\in A$ koruna ada barijan (x_n) di A gag korunga k..., -1,0,1,...tet-pi barijan $(k(x_n))$ tidok konvergen k:-m,k(-1),k(0),k(1),...