Out If
$$fem = \begin{cases} \frac{n^2}{n-1} \\ \frac{n}{n-1} \end{cases}$$
, show that $f(m)$ is continuous at $n=1$.

Ou. 2. 9f frm =
$$\begin{cases} \frac{\chi}{\sin 3\chi}, & \chi \neq 0 \\ 3, & \chi = 0 \end{cases}$$
, find whether frm) is continuous at $\chi = 0$.

Out 3. Discuss the continuity at
$$n=0$$
 for the function
$$f(n) = \begin{cases} \frac{1-68x}{x^2} & n\neq 0 \\ \frac{1}{2} & n=0 \end{cases}$$

Ou. 4 Test for continuity of the function at
$$n=a$$

$$f(n) = \int (2+a) \sin \frac{1}{2+a} = 1 \quad 2(a+a)$$

$$\int (2+a) \sin \frac{1}{2+a} = 1 \quad 2(a+a)$$

Outs Discuss the continuity of the function
$$f(n)$$
 of $n=1$,
$$f(n) = \begin{cases} \frac{3}{3} - x, & \frac{1}{2} \leq n \leq 1 \\ \frac{3}{3} & n = 1 \end{cases}$$

$$\begin{cases} \frac{3}{3} + x, & \frac{1}{2} \leq n \leq 2 \end{cases}$$

Out 6 For what value
$$ga$$
 18 the function $fem = \int a(x^2-2x)$, $x \le 0$ continuous at $x = 0$. and $x = 1.7$

Continuous at
$$N=0$$
. and $N=1.?$

Out For what value of K , the function $f_{7N}=\begin{cases} 2n+1 & n > 2 \\ K & n = 2 \end{cases}$

Out Pind the relationship between $0 = 1$.

Our 8 Find the relationship between a gnel b so that the femelion continuous at
$$x=3$$
, $f(n) = \begin{cases} 2n-1 & 1 > 3 \\ 5n+3 & 1 > 3 \end{cases}$

Outo I find =
$$\int \frac{|\mathcal{H}-2|}{2=n} | \mathcal{H}+2 |$$
, find whether or not,
+ is confinuous at $x=2$

Quill
$$f(n) = \int \frac{n-|n|}{n}$$
, $n \neq 0$ check continuity at $n = 0$

Out 13-
$$fcn = \int \frac{1-604\pi}{\pi^2}$$
 | $\pi<0$ | is constant in $\pi=0$. Find a $\pi=0$.

OU14 A function f(n) = [1-x] + [x-1]. Discuss its continuity at x = 1. $[] \rightarrow greatest integer f!$

Olt 15.
$$f(n) = \int \frac{\sin (a+1)n + \sin n}{\pi}, n \in 0$$

 $\int \frac{1}{100} = 0$
 $\int \frac{1}{100} = 0$
 $\int \frac{1}{100} = 0$

fem is continuous at nzo. find 91516.

Out to cate the point of discontinuity (if any) for the function $f(m) = \begin{cases} n^2 + 2n - 2 & |n \neq 1| \\ 4 & |n = 1| \end{cases}$

OU.17. Find all the points of custonhouly of the function $frm = \begin{cases} x+2 \mid x<1 \\ 0 \mid x=1 \\ x-2 \mid x=1 \end{cases}$

Ou. 18 Defermine m if hem is continuous. $h(x) = \int m(x^2 - 2x)$, x < 0(a) (x > 2x) , (x > 2x)

Out 19 Show that the function $f(m) = \int_{-\infty}^{\infty} |\mathcal{M}| \cdot \mathcal{M} \leq 2$ 18 Continuous on Co(2).

Ou 20 Show that the feni = |1-x+(x1) , is Combinuous, where x is real number.