Monday, May 3, 2021 9:51 AM

$$\frac{1}{2} \times \frac{1}{2} \times \frac{1$$

i) 
$$f(n)$$
 's def at  $x = 4$ .

$$f(n) = -n + 7, \quad \chi = 4$$

$$f(4) = -4 + 7, \quad f(4) = 3$$
2)  $\lim_{\chi \to 4} f(n) :.$ 

$$L.H.L = \lim_{n \to y^{-}} \left( \frac{1}{2} \chi + 1 \right), \qquad R.H.L = \lim_{n \to y^{+}} \left( -\chi + \frac{\gamma}{4} \right)$$

$$=\frac{1}{2}(4)+1$$
 = -4+7

$$= \frac{1}{2}(M)+1 = -4+7$$
1.11.6=3
$$\int_{n-1}^{1} \frac{1}{n} f(n) = \frac{3}{2} \int_{n-1}^{1} \frac{1}{n} e^{n+1} dn$$

3) 
$$\lim_{N\to 4} f(n) = f(4) \Rightarrow 3 = 3/3$$
  
 $\lim_{N\to 4} f(n) = f(4) \Rightarrow 3 = 3/3$ 

Monday, May 3, 2021 9:54 AM

 $\frac{1}{2}x+1$   $\frac{1$ 

is find is Combinuous at x= 4.

1) fim 1) def at n=4Function 1, not def

Function 1, dis Continuous.