

 $|x-3| = \{-(x-3), ne \times (3) \}$

* Lim g(x) = (x-3) = 1// x-3+ x-3+

 $\text{dem } g(x) = -(x-3) = -2// \\
 x - 3 - x - 3$

+ Ling g(x) = 7

(3) $\int (x) = \begin{cases} x + 3 & n_0 \times 4 - 3 \\ \sqrt{9 - x^2} & n_0 - 3 < x < 3 \\ \sqrt{5 - x} & n_0 \times 23 \end{cases}$

a) Lim ((x) = ?

Lim l(x) = Lem (5-x) = 5-3 = 2//
x+3? x+3?

* Lim D(x) = Lim Jq-x== 19-9=0//

(tilibra) + dem l(x) = 7

0-) Pro D(x) = 2
0-) Lever ((x) = ? x+-3
* fim l(x) = lm \(\q - \x^2 = \sqrt{0} = \qquad \) \(\times \x \times \\ \x \times \\ \x \times \\ \x \times \\ \q \qquad \qquad \x \qquad \qquad \qquad \qquad \qquad \qquad \qquad \qquad \qquad \qqqq \qqq \qqqq \qqq \qqqq \qqq \qqqq \qqq \qqqq \qqq \qqqq \qqq \qqqq \qqq \qqqq \qqq \qqqq \qqq \qqqq \qqqqq \qqqq \qq
(x 5-3) x -0-3 ⁷
* Limb (x) = Lim x+3 = -3+3 = 0//
Jun (xx) = 0// x+03
(4) $\lim_{x\to 1} \frac{1}{x-2} \frac$
* dim x=-1 = line (x40(x+0 = 2// x-01 x-1) (x+1)
x<1 /2 /2 /2 /2 /2 /2 /2 /2 /2 /2 /2 /2 /2
Lim $(2x-1) - (1) = Lim 2(4-1) = 2//$ x-21 x-2 x-21 (+/1)
* Line P(x)-P(L) = 2//
(tilibra)