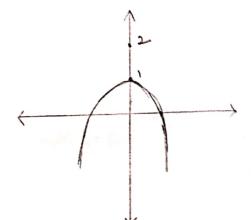
PROBLEMS - LIMITS

- (1) a) +:2;-:1
  - (Does not exist because LHL = RHL)
  - c) +: 3 / -: 3
  - d) Exists, LHL = RHL.
- 2) +:1, -:1 : 8(2) = 2
  - b) Exists, LHL = RHL
  - c) +: 4; -! 4
  - d) Exists, LHL = RHL
- 3 a) Does not exist as f(x) isn't defined between [0,1]
  - b) Exists , = 0.
  - c) Does not exist as RHL does not exist.
  - **(**
- 2)
- B) 1-: 1 ; 1+: 1
- c) Exists, LHL = RHL

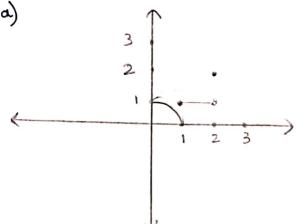
- (\$)
- ه)



- b) 1:0; 1+:0
- c) Exists, LHL = RHL

**(b)** 





- a) Domain  $\in [0, 2]$
- b) [0,2] {1,2}
- d) x = 0