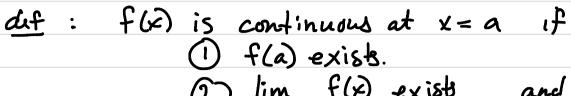
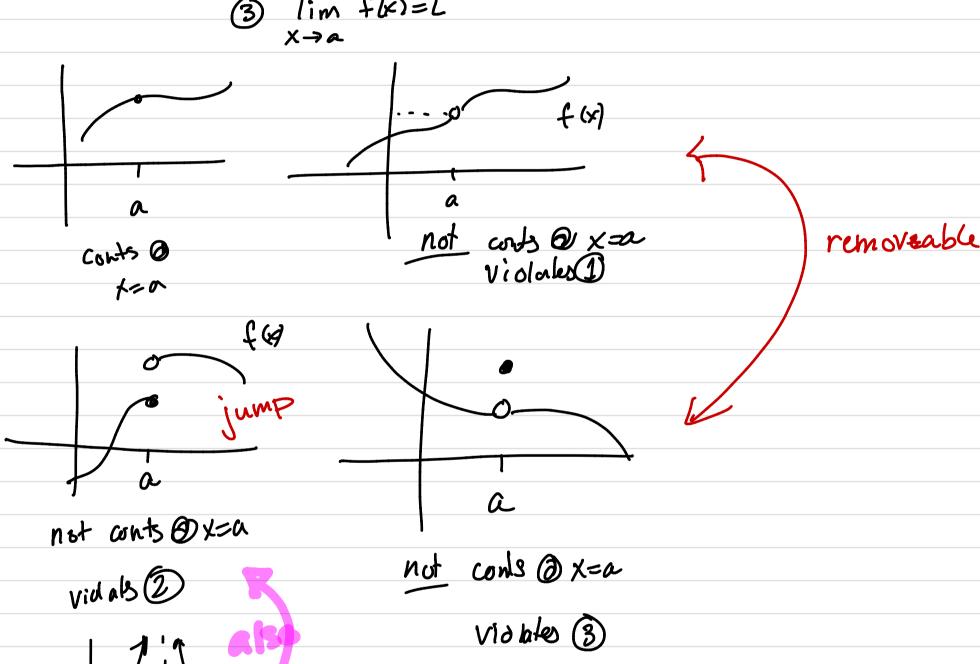
§ 2.5 Continuity

- definition
- how to use it
- what the consequences are



- 2) lim f(x) exists and
- 3 lim fb)=L



#1 +2 on sheet

Consequences:

If f(x) is continuous at x=a, then lim f(x)=f(a).

Name some conts fins: ...

So
$$\lim_{x \to 3.7} \sqrt[3]{\text{Sm}(e^x + 4) + x^2}$$

#3 on paper, #4.

IVThm: f(x) is continuous on [a,b] and N is between the y-values f(a) and f(b)

then $\exists x$ -value c in (a_1b) so that f(c) = N.

Picture

