Math 109 notes Continuity f is continuous at a if (in f(x) = f(a). X-sa D512 wxx (ontinuous on law) Continuous on its domain polynomials rational functions, roots trig logs exp Sums products Compositions Intermed iate Value Thoran if fis continuous on [alb] and fay INS f(b), then the is CE AN such that for= N. ex. Show that there is a real number that is one the its cube

X=X+1 0= X-X+1

f(x)=1 ## f(-0)=-8+2+1=-5