Calc Review

Suppose we have a single function f: R >> R of a single variable $x \in R$ i.e. f(x)

$$f_1(x) = x^2 - 4$$

 $f_2(x) = x^2 + 4x + 4$
 $f_3(x) = e^x + \log e(x)$

We are sometimes required to find values of or for which f(D)=0. Solutions are called the "roots of the egn f(w)=0".

Also called the "zeros" the of the func f(D).

This is a "univariate" problem. > Single variable

Note: what is a singularity?

Note: Intermediate value Thm

if the function is continuous in some interval Lit changes

singh over the interval then there needs to be a value

pt in the interval where f(x)=0