

QUIZ 5

Problem. Consider the equation

$$f(x) = x^2 + (x + 1)^2 - 25 = 0.$$

Using a computer, or by hand, write down the first five iterations of the Newton Raphson method on this function with initial value of $x = 0$. At each step you should clearly mention the value of x , $f(x)$ and $f'(x)$.