Q: Draw the following functions and discuss whether limit exists or not as (x,y) approaches to the given points. Find the limit, If it exists.

91, 2,7

 $0 = \frac{x+y}{x-y} = \frac{x+y}{x-y} = (0,0) \text{ and } (x,y) = (1,3)$ 

Stepl:- Plot the function (use plot3d())

Step2!- lut y= mx

Step3!-S/= f(x, mx) ~ G then use simplify (s1)

 $f(x,y) = -(m+1) \over (m-1)$ 

Step 31:- Now check limit of this fin , for different values of m

Step5!- If kame answers, then does not exist, else limit does not exist.