

MATH 201.5 (082)

Quiz 4- Sections 14.1-2

Duration: 10mn

Name:

ID number:

1.) Does the function f continuous on its domain?

$$f(x, y) = \begin{cases} \frac{xy}{x^2+xy+y^2} & \text{if } (x, y) \neq (0, 0) \\ 1 & \text{if } (x, y) = (0, 0) \end{cases}$$