

MATH 201.4 (082)

Quiz 4- Sections 14.1-2

Duration: 10mn

Name:

ID number:

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

$$f(x, y) = \begin{cases} \frac{xy^3}{x^2+y^6} & \text{if } (x, y) \neq (0, 0) \\ \frac{1}{2} & \text{if } (x, y) = (0, 0) \end{cases}$$