

## MATB41 WEEK 2 QUIZ 2 LEC02

### Question 1

Decide whether the function has a limit at  $(0, 0)$ .

If the limit exists, define  $f(0, 0)$  so that the function is continuous at  $(0, 0)$ .

$$f(x, y) = \frac{x^{22}y^{46}}{x^{64} + y^{64}}$$