

Quiz 3, MAT329, Fall 2015

Name: _____

- a. What is the most important definition in calculus? I'll start it for you:

$$f'(x) =$$

Hint: it explains why we're so interested in limits!

- b. What are “mixed” partial derivatives, and how did Alexis Clairaut make them easy for us?

- c. Describe how to use univariate ideas to understand a partial derivative like f_x .