

Quiz 3 — MA16010 — September 11, 2017

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1. (1 point) What is the definition of $f'(x)$,
the derivative of $f(x)$?
2. (2 points) What is $\frac{dy}{dx}$ when $y = 3e^x - \cos(x) + \sqrt{x}$?
3. (2 points) Find $f'(x)$ using the limit definition when

$$f(x) = \frac{2}{3 - 4x}.$$