

MA 123 A2
Summer I 2017
Quiz 3

Name: _____
Student ID: _____

You may use books and notes.

No calculators.

In order to score points you should show *all* your working on this quiz.

There are a total of 5 points available.

1. (a) (4 points) Find (using the definition) the derivative $f'(x)$ of

$$f(x) = \sqrt{x} + x.$$

- (b) (1 point) What is the equation of the tangent line to $y = f(x)$ at the point $(4, 6)$?