

MA 123 A2
Summer I 2017
Quiz 4

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) (3 points) Find (using the rules from today) the derivative $f'(x)$ of

$$f(x) = x^3 - 3x^2 + 4.$$

- (b) (2 points) Sketch $f'(x)$ (extra: what does this tell you about f ?).