

MA 123 A2  
Summer I 2017  
Quiz 10

Name: \_\_\_\_\_  
Student ID: \_\_\_\_\_

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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.

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1. (5 points) (a) (4 points) What is

$$\int \frac{x}{x-2} dx?$$

(hint: use the substitution  $u = x - 2$ )

- (b) (1 point) Evaluate

$$\int_3^4 \frac{x}{x-2} dx.$$