

Math 171 - Extra Credit
December 3, 2013

Name _____
Score _____

Show all work to receive full credit. This problem is worth 5 extra credit points and is due on Thursday, December 5.

Use the definition of the definite integral as a limit of Riemann sums to evaluate

$$\int_0^2 (x^2 - x + 1) dx.$$

In order to simplify the finite sums that will arise, you may use either the formulas on page 255 (of the textbook) or a computer algebra system (such as WolframAlpha).