

Math 16A  
Xiao  
Optional Extra Credit Assignment

Please read the following instructions carefully.

You may fill out a confidential survey worth 5 points, write a short paper worth 15 points, or do both for a combined 20 points. Both requests are **OPTIONAL** to you.

Both the survey and the short paper (if you choose to do either or both) are due in the final exam on Wednesday June 10, 2009.

Here are the guidelines for the paper. The topic for the paper may be **ANYTHING** even remotely **RELATED** to calculus or mathematics. It can be biographical, autobiographical, historical, current, creative or mathematics. You may also include programming code in any modern computer languages if it is relevant to your paper. The paper must be typed and double-spaced with a short bibliography (if research is involved). Footnotes are **NOT** necessary. The paper must be at least three (3) **FULL** pages long and not more than four (4) pages long, **NOT** including the bibliography. The score for your paper will be based upon proper spelling, punctuation, grammar, mathematical correctness, programming correctness, and whether you followed these guidelines. Please write your name **AND** your student ID on your paper.

These extra credit points will be **ADDED** to your **RAW SCORE** for the final exam in the following manner:

The final exam will be a 100-point exam. Assume that your raw score on the final exam is  $A$  points and your survey and paper points add up to  $P$  total points. The score I will record for your final exam is:

$$\text{Final Exam Score} = A + \left( \frac{100 - A}{100} \right) P.$$

For example, if  $A = 60$  and  $P = 20$ , then the score I will record for your final exam is

$$\text{Final Exam Score} = 60 + \left( \frac{100 - 60}{100} \right) 20 = 68.$$