

Problem of the three weeks
May 2010

We are pleased to inform that Michael Watkins and James Tipton wrote the best* solution for the April 2010 Problem of the Month. They have won the right to brag, and be correct in any mathematical discussion** that is held in May 2010. Congratulations Michael and James!

Colin Aitken from Leland High School, San Jose also deserves an honorable mention for submitting a correct solution to April's problem. Congratulations Colin!

We thank to all those who wrote solutions to April's problem. We encourage you to keep submitting your solutions.

You will have until **May 21st** to solve the problem below. Solutions can be either

1. written neatly on a sheet of paper and dropped in the mailbox outside PB 352, or
2. typed up using your favorite text editing software (\LaTeX preferred) and then turned in via email at either asabuwala@csufresno.edu or ovega@csufresno.edu.

At the end of the three weeks, we will review all your solutions and post the names of the individuals who have turned in complete correct solutions, and who wrote the best* solution.

Bragging rights winners, solutions, past (and future) problems of the month, etc can be found on

[http : //csufresno.edu/math/news_and_events/pom.shtml](http://csufresno.edu/math/news_and_events/pom.shtml)

Problem for May 2010.

Evaluate (with proof) $\int_0^1 \frac{\log(1+x)}{1+x^2} dx$.

* A solution will be considered better than other in terms of being correct, thoroughness of the explanation, beauty of the idea used, etc.

** Exams, quizzes, homework not included. Not valid where voided and with non-participating professors.