

Problem of the month
October 2010

We are saddened to inform that there were no winners for the September 2010 Problem of the Month. We anticipate to see a better response to this month's problem.

You will have until **October 31st** 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 month, 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 October 2010.

When Mr. Smith cashed a check at his bank, the teller mistook the number of cents for the number of dollars and vice versa. Unaware of this, Mr. Smith spent 68 cents and then noticed to his surprise that he had twice the amount of the original check. Determine the smallest value for which the check could have been written.

* 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.