

# Problem 13: Pick your grade out of a hat

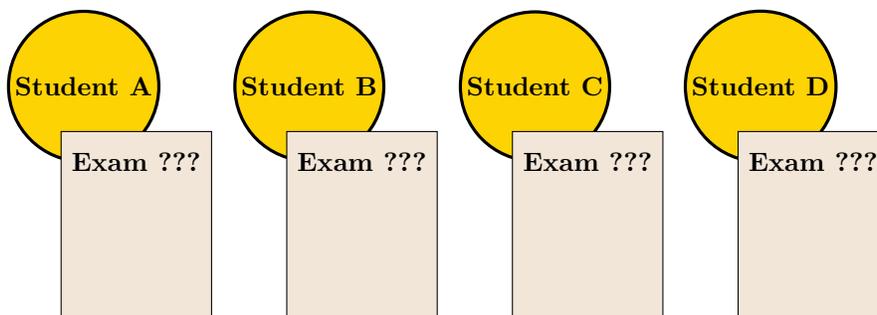
USMA D/Math Problem of the Week

**Submission Deadline:** February 21, 2008 at 1600

**Circle one:**  cadet  faculty  non-usma student  non-usma faculty  other

## Problem Statement:

Suppose that during the last WPR I gave four students forgot to write their names down on the exam. If I return the four exams at random to the students, what is the probability that no student will receive back their own exam?



What would the answer be if the entire section (18 students) forgot to write down their names?

Submit your answer to Dr. Elisha Peterson at [ae3263@usma.edu](mailto:ae3263@usma.edu) with the subject line **WP POTW...** or drop your solution off in my mailbox or on my desk (with date and time please!)