

Math 2001: Homework W4

Due October 30, 2009

The following assignment will be graded with an emphasis on clarity of exposition. You should write in complete sentences, be as precise as possible, and be mathematically correct (both in content and format). Be sure to include a title, a short introduction to the topic, and to define all the relevant mathematical terms. The assignment should be **typed**.

Provide an answer to Randy's question in such a way that he can understand it. Be sure to include

- (a) The rules as you understand them. Carefully explain the problem you are solving.
- (b) Give all the relevant data for $n = 5, 6, 7$ total cards.
- (c) Recommend a particular solution.
- (d) Include details on how your counts were computed.

Extra credit. If I pick your paper to hand along to Randy, you get 5 points extra credit.