

Math 431, Assignment #3

(due 2/15/01)

Remember, as on the previous assignments, to indicate how many hours you spent on the assignment, and whom you worked with. Also remember to show your work if you want to receive credit.

1. Problem 2.26.
2. Problem 2.28.
3. Problem 2.45.
4. Problem 2.56.
5. Problem 3.1. Also: What is the conditional probability that at least one of the dice lands on 6 given that the dice land on the *same* number?
6. Problem 3.5. Also: If 4 balls are to be randomly selected without replacement, what is the probability that the first ball is black, the second white, the third black, and the fourth white?
7. Problem 3.11.
8. Problem 3.19.
9. Theoretical Exercise 3.2.

ALSO: Each of the preceding nine problems is worth 11 points. At the end of the problem set, include an estimate of your total score. You can get up to five extra bonus points if your estimate is close enough. (Note: Scores over 100 will be rounded down to 100.)