

Math 213 - Homework 5

Assigned: 9/21/07

Due: 9/26/07 at the start of class.

Notation: Exercise a.b.c(d) stands for part (d) of Exercise c from Section a.b.

Problems:

- (1) 5.1.8.
- (2) 5.1.12.
- (3) 5.1.20(d)
- (4) 5.2.2.
- (5) 5.2.16.
- (6) Suppose a baseball team plays games for one year, 365 days. Assume that the team plays at least one game per day, and that the total number of games played is less than or equal to 429. Show that there is a period of consecutive days during which exactly 300 games were played.
- (7) 5.3.6(f).
- (8) 5.3.20.
- (9) How many ways are there to draw 5 cards from a deck of 52 that are all of the same suit?
- (10) 5.3.36.