

Homework 3

Due date: Homework is due on Monday, October 20 at 12:00 Noon. Homework should be turned into the box for your section (outside of Room 253 Sloan).

1. In rolling twelve dice, what is the probability of getting each face twice?
2. The ideal size of a first-year class at Caltech is 200 students. The Institute, knowing from past experience that on the average only 55% of those accepted for admission will actually attend uses a policy of approving the applications of more than 200 students. How many students should be offered admission if we want that the chance that more than 240 students attend Caltech be below 5%? 10%?
3. Pitman, Chapter 2. Review exercise 28.
4. Pitman, Chapter 2. Review exercise 33.
5. Pitman, Chapter 3. Problem 3.1.16.
6. Pitman, Chapter 3. Problem 3.1.20.