

HOMEWORK 2
STA320.01, Probability
Fall Semester, 2013

Due: Thurs Sept 19th 2013

- 1** 16 horses race in the Kentucky Derby. How many possible results are there for win, place, and show (first, second and third)?
- 2** In the class of 19 students, 7 will get A's. In how many ways can this set of students be chosen?
- 3** How many four letter "words" can you make if no letter is used twice and each word must contain at least one vowel (A, E, I, O, and U).
- 4** Six students, three boys and three girls, lineup in a random order for a photograph. What is the probability that that the boy and girls alternate?