Kerry Ojakian's MTH 23.5Class
Class Assignment #15

1. Suppose you choose a 4 letter word at random.
   (a) What is the probability that it is CUNY?
   (b) What is the probability that it starts with a Z?

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2. Suppose there are 6 people in a room, named Ace, Bob, Cob, Dog, Ell, and Foo. You choose 3 of them at random.
   (a) What is the probability that you choose Ace, Dog, and Ell?
   (b) What is the probability that Cob is among your choices?

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3. Suppose there is a race with 6 runners, and Mary is one of the runners.
   (a) What is the probability that Mary is in first place?
   (b) What is the probability that Mary is **not** in first place?

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4. Suppose you are dealt a 2 card blackjack hand from a standard deck of 52 cards

   (a) What is the probability that both cards are aces?

   (b) What is the probability that both cards are hearts?

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5. Suppose you are dealt a 5 card poker hand from a standard deck of 52 cards (you may leave your answer unevaluated, but show your work).

   (a) What is the probability that all the cards are red?

   (b) What is the probability that both you have no kings?
