1. A biased coin is tossed 3 times. On any toss, the probability of $heads$ is $2/3$ and the probability of $tails$ is $1/3$ . Find the probability of
a) all heads.
b) all taila
b) all tails.
c) at least one head
d) exactly two heads
e) exactly one tail
e, exactly one tail
2. Roll the dice. Find the probability that the
a) sum is 7, sum is 4, sum is 9
b) sum is greater than 5
c) sum is 7 or sum is greater than 5

3. There are 15 children in Mrs. Barton's class.
a) How many ways can she select three of her students to serve as President, Vice-President, and Secretary?
b) How many ways can she select three of them to help plan the party?
4. From a group of 15 women and 10 men, a jury of size 7 is to be randomly selected.
a) How many ways can a jury with exactly 4 women be selected?
b) What is the probability that the jury has exactly 4 women?