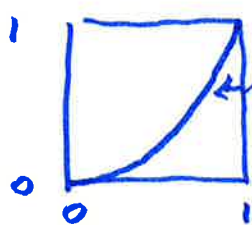


## Three Problems

① A certain middle school math class consists of 20 students, 10 boys and 10 girls. Five students are chosen at random to form a committee. What is the probability that exactly 3 members of the committee will be girls?

② A square piece of cardboard, one foot on each side, is placed on the ground outside. What is the probability that the first rain drop will land below the graph of  $y = x^2$ ?



③ A coin is flipped until "heads" comes up. What is the probability that the number of flips is even?