1. Roll two dice. Let X be the sum of the two numbers on the dice.
   (a) What is the distribution of X?
   (b) What is the mean of X?
   (c) What is the variance of X?
2. Let Y be the number of queens in two cards dealt from a well shuffled deck of cards.
   (a) What is the distribution of Y?
   (b) What is the mean of Y?
   (c) What is the standard deviation of Y?
3. Say I draw a coin uniformly at random from a jar with ten pennies, five nickels, two quarters, and two dimes. What is the mean and standard deviation of the value of the coin I draw?