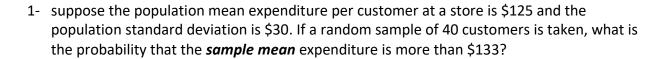
Homework 4



2	Suppose that during any hour in a large store, the everage number of sustances is 440 with
۷-	Suppose that during any hour in a large store, the average number of customers is 448, with a standard deviation of 21. What is the probability that a random sample of 49 different hours will yield a sample mean between 441 and 446 customers?

3-	A company's hourly employees average 37.6 years of age, with a standard deviation of 8.3 years. If a random sample of 45 employees is taken, what is the probability that the sample will have an average age of less than 40 years?

4-	If 20% of a population of parts is defective, what is the probability of randomly selecting 100 parts and finding that 25 or more parts are defective?