LAST NAME (Print): FIRST: Statistics 111 Quiz 9	
1. Suppose $f(x,y)=24x$ for all (x,y) such that $0 \le x \le 1, 0 \le y \le 1$, and $2x \le y$.	
What is the probability that both X and Y are between 0 and $1/2$?	
What is the value of μ_x ?	
What is the expected value of $1/x$?	
What is the expected value of Y when $x = 0.25$?	
2. Write the Central Limit Theorem for sums. Use S to denote the random sum, and let n be the number of terms, each of which has mean μ and variance σ^2 .	oer
3 Make 50 draws, X_1, \ldots, X_n from a binomial distribution with $n=8$ and $p=0.4$. What the approximate probability that $\bar{X} \leq 3.3$?	is
3. List all, and only, the true statements.	
A. The standard error is the standard deviation of an estimate of a parameter.	
B. The Law of Averages is more specific than the Central Limit Theorem.	
C. Alan Turing worked on the Central Limit Theorem.	
D. If every person in the population is equally likely to be chosen, one has a simple random samp	le.
E. Nonresponse bias occurs when people refuse to answer a survey.	
4 A	

G. Response bias occurs when people who respond are different from those who do not.