STAT 319 quiz 4 Time: 20 min	1
Name:ID:	
Q.No.1: Suppose that <i>X</i> has a lognormal distribution with parameters $\theta = 5$ and $\omega^2 = 9$. Deter	mine the
following:	
(a) $P(X < 13,300)$	

(b) Value for x such that $P(X \le x) = 0.95$

Q.No.2: Assume that in a digital communication channel, the number of bits received in error can be modeled by a binomial random variable, and assume that the probability that a bit is received in error is 0.1. If 50 bits are transmitted, what is the **approximate** probability that 2 or fewer errors occur?