Question 1	4 pts
Let $X \sim \operatorname{Geometric}(p)$ with $p = 0.1$. Find $E[X]$.	
Question 2	4 pts

Question 3	4 pts		
Question 4	4 pts		
Let X always take value 1.2 and Y also always take value 1.2. Then the two random variables $m{X}$ and $m{Y}$ are not independent.			
○ True			
○ False			
	Phone calls are received at a certain residence as a Poisson process w parameter $\lambda=2$ per hour. What is the probability of exactly one pho during an hour? Question 4 Let X always take value 1.2 and Y also always take value 1.2. Then the random variables X and Y are not independent.		

4 pts

Consider the following breakdown of all adults in a small population by educational attainment and employment status.

	Hs diploma	College degree	Graduate degree
Unemployed	23	16	7
Employed	120	180	25

If we	choose a	population	member	at random,	what is	the pi	robability	we
get a	member	who is unen	nployed?					