Elementary Statistics	Name:				
Optional Study Guide 2	Class:				
Due Date:	Score:				
Your work must be very similar to my notes, lectures, or videos.					
Be Neat, Organized, and No Work \Leftrightarrow No Points					
You must display full TI o	command to find these probabilities.				
1. Consider a poisson probability of occurrances in the given interval	distribution with $\mu = 4$, and x be the number of				
(a) (3 points) Find $P(x=2 \text{ or }$	x = 3)				
(b) (2 points) Find $P(x \le 2)$	(a)				
	(b)				
(c) (2 points) Find $P(x \ge 4)$					
	(c)				
(d) (3 points) Find the 68% ra	nge.				
	(d)				

2.	A newspaper finds that the mean number of typographical errors per page is 6. Find the probability that				
	(a)	(2 points)	exactly four typographical errors will be found on	a page.	
	<i>(</i> -)		· ·	a)	
	(b)	(2 points)	at most five typographical errors will be found on	a page.	
	(c)	(3 points)	at least two typographical errors will be found on	a page.	
				c)	
3.	An insurance salesperson sells an average of 1.6 policies per day. Find the probability that this salesperson sells				
	(a)	(2 points)	no insurance policy on a certain day.		
	(b)	(3 points)	fewer than 4 policies on a certain day.	a)	
	(c)	(3 points)	more than 2 policies on a certain day.	b)	
			(c)	