Elementary Statistics	Name:				
Optional Study Guide 1	Class:				
Due Date:	Score:				
Your work must be very sin	nilar to my notes, lectures, or videos.				
Be Neat, Organized, and No Work \Leftrightarrow No Points					
You must display full TI c	ommand to find these probabilities.				
 Consider a geometric probability of trial in which the first success (a) (2 points) Find P(x = 4) 	distribution with $p=0.85$, and x be the number occurs				
(b) (2 points) Find $P(x < 4)$	(a)				
(c) (2 points) Find $P(x > 2)$	(b)				
(d) (2 points) Find $P(x=2 \text{ or } x)$	(c)				
(e) (3 points) Find μ and σ .	(d)				
	(e)				

2.	The probability that a certain NBA basketball player makes a free throw shot is about 65% of the time. Find the probability that			
	(a)	(2 points)	the first shot he scores is the second shot.	
				(a)
	(b)	(2 points)	the first shot he scores is the third or fourth sh	ot.
				(b)
	(c)	(3 points)	he does not score on any of the first four he att	${ m empts.}$
				(c)
3.			npany finds that one in every 50 packages shippe tination. Find the probability that	
	(a)	(2 points)	the first late arrival shipment is the fifth shipme	ent.
	(b)	(2 points)	the first late arrival shipment is the first, second,	(a) or third shipment.
	(2)	(2 points)	one mise according ment is one mise, second,	or viii a simpinomo.
				(L)
	(c)	(3 points)	none of the first 5 shipments are late.	(b)
				(c)