_	
	√2
6.	Binomial (7,44) landom variable x.
6.	il Compute probability of 2 successes
	iil Compute peobabilities of whole space
	iii) Display probabilities in a table
	iv) show the shape of the binomial distribution
ans	> dbinom (2,7, 1/4)
urio	[1] 0.3114624
	> dbinom(0:7,7,1/4)
	[1] 1.334839 e-01
	[2] 3.114624 e-01
	[3] 3.114624 e - 01
	[4] 1.730347 e-01
	[5] 5.767822 e-02
	[6] 1.153564 e-02
	[7] 1.281738 e-03
	[8] 6.103516 e-05

				C d
				Date of state of the state of t
>	p =	data.	frame (0:7, dbinom (0:7,7,1/4)	
>	lo	und (f	0,4)	
		X0.7	dbinom. 0.7.,7.,1.4.	
	1	0	0.1335	
	೩	1	0.3115	
	3	a	0.3115	
	4	3	0.1730	
	5	4	0.0577	
	6	5	0.0115	
	7	6	0.0013	
	8	7	0.0001	
>	plot	(0:7, dt	oinom (0:7,7,1/4), type = "0")	
			Carrier Draint and Andrew	

8.	10% of the sciews produced are defective. Out of					
	20 scieus selected at random, there are					
	i] Exactly 2 defective					
	ii] At least 2 defectives					
	iii] [1,3] defectives					
ans	> dbinom (2,20,0.10)					
	(17 0.2851798					
	> -dbinom (1,20,0.10) +1					
	(1) 0.7298297					
	> sum(abinom (1:3,20,0.10))					
	St 0.74547					
	XIJ 0.143.11					

3.	PD with parameter '2'
	i] How to obtain sequence from 0 to 10
	ii] Calculate P(o) to P(10) when lambda = 2
	iii) $P(x < = 6)$
	iv] Sum of all possibilities
	$\sqrt{P(y>6)}$
	vi] Make a table of first 11 Poisson probabilities
	and cumulative probabilities when #mu = 2
	vii] Plot the peobabilities
<u>ans</u>	> 0:10
	[1] 0 1 2 3 4 5 6 7 8 9 10
	> lound (dpois (0:10,2),3)
7	[1] 0.135 0.271 0.271 0.180 0.090
	0.036 0.012 0.003 0.001 0.000 0.000
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