	A STATE OF THE PROPERTY OF THE	Date: / /
Vector &	Martine M.	
	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	2 - 2
	The state of the s	time of the first providing the young and provide the benegation of the same of the contribution of the benefit of the same of the contribution of
10	Inper product of y and & = y'z	1 = [1 3][2]
		= 9.1 + 3.3
2.	Product Xy = [2 4] 1 = [21	1 4.3 = [34]
		+3.3 10
3.	Inva tible	A STATE OF THE STA
	(1) determinant = 2.3 - 4.7 = 6-4.	2.
<u>Liv</u>	XX = 8 4 3 -4 = 8.0]	
. 1	[13]-12] [02]	
		3/2 -2
	det A 2	-1/2. 1
٧.	(i), (ii) & (iii) prove that X is Pinne	atible.
1,5	Rank & X=[24]	
	The raule of x = Q.	
	Row 1 & Row 2 are Breakly &	dona la sa
		ndepandont Jeach
Calculus	1. y = x3+x = -5	
	dy = x2 +1 /	
	dn	
Q,	f(u, ne) = nisin(ne) e-ni	
	7+(w) = (2, f) : 2, d = (1-x	
	and = ne	COS (NL)
	2 (U-MI)e-MISIMULE)	
Robert	Metry & statistics	
. , , , ,	3 5 31, 0,1, 07. 0 -> lugels	
٨.		1->-lails
	Sample mean = 3 8Vi = 3	

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Probability of observing = (0000) = [1/5 - 1 = 0.03)? Now, maiso P(s) = \(\frac{5}{1} \) Pui (1-P)^2-vi a Now max(P(s))= (\(\xi\) \(\frac{2}{2}\) \(\frac{2}\) \(\frac{2}\) \(\frac{2}{2}\) \(\frac{2}{2}\) \(\frac{2}\) \(\frac{2}\) \(d'imax(Pls)) = 0 1 = Xi - 1 (- Exi) = 0. Z Ni-Pu = 0.

P(1-P) = Z Ni
Pu = Z Ni for(n=1) P=1(3)=3/5 P(2= T qual by = b) = 0:1. P(2=T/q.2b) = P(2=T & y=b) = 0.1 = 0.4 P(2=T/q.2b) = P(y=b) 01+0.15 f(u) = lu(u) = lg (u) both one easimelet

f(u) = lu(u) = lg (u) both one easimelet

f(u) = 3^u, g(u) = n'no, g(u) = 0(f(u)), f(u) originally

eincresse - man of(u) course n'>>> 1

f(u) = 3^u, g(u) = 2^u, g(u) = 0 (f(u)), hun also

f(u) orapidly The when n'>>> 1. My O WO HO NI DO

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Q).	flul = 1000 h2 + 2000 m+ 4000 , glas = 32 +1.	
	Jul Promose scapidly when n 21]	
	Medium Backgrown Test	
	Algor Films	
	:	
	Probability & Randon variables	
(a)	Probability: - True or false. False (b) True (c) false (d) false (e) True	
	1950 (3) 1900 es raise (a) raise (e) 1800.	
	Discrete & continuous distributions	
	Multivariate Gaussian Texas exp (-1-(n-u))	
	Bernoull Prich P)	
	Binompal. (4) PM (1- p)4-4	
	Man National	
(9)	Mean, Vaniance and entropy. Var (x) = EIN - Gx)27	
	= E[x 1 - 9x E[x] + (E[x1) -]	
	= E[x2] - E[xxE[x]] + F[E[x]]2]	
	= E[X] - SE[X5] -1 (E[X]) 5	
	= G[x] - E[x2].	
(P)	It means is P.	
	Mandanie = P(1-P)	
	Enemopy = - (1-P) log (1-P) - P { log(P)	

	Jan.
(0)	Law of large mumber and control almid -theory
L	
Lb2	Resong. no. of heads.
	cores 15 to seed to times - tuly - 1
	This due to central finit throny.
	Ventre mone
	Nector norm
	-1
and the second s	4.
	Greenary.
19)	WTN +b=0
	WTM +b=D=WTH2+b
Manhoophur vilanday na spikeled by me	=> WTM, = OTMe.
	=> WT(N+-N2)=0
	=) Wis ortho gonal to live
11.1	
(b)	distance = Wini
	11WIL
	116113