

	Kandom Vario			
	f(x) >0 ]	f(n)=	$f(x) = \int_{\infty}^{\infty} f(t)dt$	
	fini >0  S-ofinidin = 1 } properties	probability	(umulative	
		density	distribution	
	$P(a \le n \le b) = \int f(n) dx$	f ( K)	FIX	
CONTRACTOR OF THE CONTRACTOR O	= p(q(x(b))	fixt=	d F(H)	
	$= p(a \le n < b)$		(X ( ( ) )	
	= P(a(x(b)		00	
	= F(b) - F(a)	mean, E(H)=	S xfinidu	
		E(x²)= .	Co n 2 finida	
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Ar a hard block of	<b>100 45</b>	
		median: F(m)=	$o.y = \int_{\infty}^{m} f(n)dn = \int_{m}^{\infty} f(n) dn$	
	Properties:	Tank Spill		
	$E(Ax \pm B) = AE(x) \pm B$	mode: shetch f	INI, find the highest point	
	$Var(An \pm B) = A^{2} var(x)$	1 8 2 2 1 1 1 2 2 2 2 2	The state of the s	
	The second secon	Var(x1= E(x1)-	[E(n]] <sup>2</sup>	
	The house of the second records	and the second	A JAMES CHARLES LIBERAL TO THE	
past year no. 4	$f(x) = \left\{ \frac{\pi^2}{18}, -(RX < C) \right\} $ (a) Show that (=3)			
	$f(x) = \begin{cases} \frac{\pi^2}{18}, -(\epsilon x < \epsilon) & \text{(a) Show that } \epsilon = 3 \\ 0, & \text{elsewhere} & \text{(b) } F(x) \end{cases}$			
	(4) i) P(OSHSL)			
	ii) median			
		* ** * * * * * * * * * * * * * * * * *		
(9)	1 0 <del>18</del> 0 -00 - ( c 00	(b) 0 x2	0	
	-00 - ( c 00	-3 3		
	$\int_{\infty}^{\infty} f(N) dN = 1$	F(x1= Soo o	Nt = 0	
	S' gtx + S' no dn + So oth	$F(x) = \int_{-\infty}^{\infty} o dx$	$t + \int_{0}^{x} \frac{t^{2}}{th} dt$	
	( x ) ( = 1	$=\int \frac{t^3}{54}$	7."	
	13 - (3	= - K3	(-3)3	
	$\int_{-\infty}^{\infty} f(N) dN = 1$	= '= 1	$(x^{3}+27)$	
	$54 = 1$ $(^3 = 27)$	F(x) = 13 od+	$(x^3+27)$ + $\int_3^3 \frac{t^3}{(8)} dt + \int_3^8 0 dt$	
	(= 3 (slown)	= 6/21		
	( ) ()(()()	= = (2)	$(1 + 27)$ : $F(N) = \begin{cases} 0, N(-3) \\ \frac{54(N^{\frac{3}{2}} + 27)}{5}, \\ 1, N \ge 3 \end{cases}$	
	the second secon	= 1	54 (x 427),	
			L 11 x 23	