

VOX (4)= 4/12

	and the second second	the number of r	iands unui the i	iirsi iime you ai	e dean <u>2 cards mat are oc</u>	our cruos, w nat
	is E(X)? a. 15.1.	b . 16.2.	©.17.0.	d. 18.9.	e None of the above.	
	9. Suppose X and Y are uniform on (0,1) and X and Y are independent. What is $cov(2X+Y, 3X+4Y)$?					
		X. 0.404.	7c. 0.518.	d.)0.833.	e None of the above.	
					What is $P(2 < X < 3)$? (e	~ 2.718282).
	11. Suppo a. 20.0%.				es written, 3:1. What is P e. None of the above.	odd agairet % = 3:1
_	12. What is	~	that the suits of c,81.5%.		ards will be different from e. None of the above.	n each other?
	13. What is the probability that your 2 hole cards will form a pair, given that your 2 hole cards					
	are of different at 4.33%.	erent suits? b. 5.02%.	c. 6.49%.	d.).69%.	e. None of the above.	3/39
, (Or if the c	ards are 7♠ 7♥ 7 are all different	4, then they are	e all the same n	e. None of the above.	are 74 Q4 44
a) (= E	T(6x2+111x	= EL (2x+)	r) (3×+447) E(2×+47) E(-E(2x+4) e(3x+4	Y)
	1) $cov(2x+4, 3x+44) = E[(2x+4)(3x+44)] - E(2x+4) e(3x+44)$ = $E[(6x^2 + 10x4 + 44^2)] - E(2x+4) e(3x+44)$ = $E(6x^2) + E(11x+1) + E(44^2) - [E(2x) + E(4)][E(3x) + E(44)]$ = $GE(x^2) + 11E(x+1) + 4E(4^2) - [2E(x) + E(4)][3E(x) + 4E(4)]$ = $GE(x^2) + 11E(x+1) + 4E(4^2) - GE(x) + E(4)[3E(x) + 4E(4)]$ = $GE(x^2) + 11E(x+1) + 4E(4^2) - GE(x)(x) - GE(x)(x) + G(x)(x) - GE(x)(x) + G(x)(x) + G(x)(x) + G(x)(x) + G(x)(x)(x) + G(x)(x)(x)(x)(x)(x) + G(x)(x)(x)(x)(x)(x)(x)(x)(x)(x)(x)(x)(x)($					
	= (6E(x2) + LLET	XY)+4E(+2) - GE(N)2	(x) - 8 E (x) E (Y) - 31	EXCENTARING FIN
		= 6(x²) = 6Var(xi)	- GE(x))2 1	AEN S.	THEADELM) - GEND,	
		= GVor(xs)	+ 4 Var(4)			
		X, Y = writzan		Cov/D	x+t, 32144) = 10/14	2)2,633
		16r(x) = E	(x) - (E(N)):	e(x):	Solydy = 4 1 = 1	12
		Var(x) = 1	- (a') ====================================		= Siyady=45/1 = 1/2	t _e