1		Exam 1 Intermediate Work	Aman Patel
	li.	3 (12) (11) (15) (21) (22) (25) (51) (52) (5.5) 3 10.10=100	out coves
Section and the second	111.	3 2 6 3 4 7 6 7 10	
			AS .
	lb	2.2 = 4 introves /100 total = 0.04	
		3.2 + 2.3 - 12 outrones /100 Atal = 0.12	
	10.	P/x = 4) = P/x = 2) - P/x = 3) + P/x = 4) = 0.04 + 0 12 1 0.09 = 0.25	A. Land
		P(3 £ X £ 5) = P(X = 3) - P(X = 4) + P(X = 5) = 012 + 0.09 = 0 = 0.21	
		P(3 (x 2 5) = P(x: 4) = 0.09	
		00 × 2 01 1120 0	
	lol	1- 2 binum (7,20,0.25) = 0102 P(X=10) = 0.25 P(Y=8)=1-P	(Y=8) + P(Y=8)
		= 1-phinom(8, 20	0.25)+dbron (8,
	701	If N wins, N must win last game	20,0.23)
	2011	{ 5N, 3F }N	= 0.102
10		(8): 3! . 56 outcomes where N was in 9 goves	
		: 112 total 9-game outromes Bloom (H 1818)	4
		80-10 +0 -(20x32)2 (65x)3 (25x)3	
	Zail	9: 20(3) 0= 112 1) 1 2 (00 × 201) 5 = (01 - × -0) 9 (P × X)	
		8: 2. (7) = 42 \ 168 outcomes	
		7: 2. (5)=12	
		b: 2 (\(\xi\)) - 2	A ¹
		2(x > 90) - 1-2(x + 90) = 1- power (90, 95, 5) = 0.048	
	2.h.	# of outcomes where F wins in 9 games: 56	
		Total ontowns - 148 + 2. (9) + 2 (10) = 168 , 252 +8 504 = 924	- Die
		50 = 0.061 May 185 2 1 1 (1) 2) (8) W	
		701	
	٦.	NNFFFFFF Total: broggen: (1)	*
	C(.	NNFFFFFF 1 Total: 6-game: (1)] NNF 5F, IN 18 003 F 1 7-gam: 4	
	1	1 + (+) = 1+ 6 = 7 outcomes -1 - () 8-game: (3)-1	
0		$\frac{7}{310} = 0.033$ 9-game: (\frac{5}{3})=	20 + 6 = 26
V		10 10 gode: (3)+	$\binom{7}{5} = 35 + 21 = 76$
	100000	11 cpne: (3)+ (8) = 56+56 = 112
		Total=210 -1 . (0.4)	
	A PLANT THE PARTY		

	The second secon	14)
Zd.	061 - 042 061 042 041 042 0 0013 . 0.425 = 0 017	
30	2 6 = 1	
A SHORE LANGE AND A SHORE AND	5b=1	
	b= 0.2	
36	(0, when -02x44 4.0.2.0.8	
	f(x)= 308, when 4 = x = 8 2.02/2 = 0.2	
	(0.2, when 8 × × 10	
	0, WILM 10 = x < 00	
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	The second secon	
3c	Weighted average 8 - 10	
	$b \cdot 0.8 + \frac{2b}{3} \cdot 0.2$ $3 \cdot 2 = \frac{2}{3} \cdot 8 + \frac{2}{3} \cdot \frac{26}{3}$	
	E(X): 6.73	
	down to or your side arm you day of the Carl	1
30.	P(x=4) undefined in pdf	
	P(X < 8) = P(X < 4) + P(4 < X < 8) = 0 + 0.8 = 0.8	
	P(X>9) = P(9 < X < 10) + P(10 < X < 00) = 1.01/2 + 0 = 0.05	
	P(32×29)=1. 0.1+0.2 = 0.15	
	the same of the sa	THE RESIDENCE OF
40.	X ~ N(85,9)	
	$P(x>90) = 1 - P(x \neq 90) = 1 - pnovm(90, 85, 3) = 0.048$	
	and the same of th	
ЧЬ.	E(2) = E(Y) = 1.0 + 32 = 27.8.18+32 = 82 04	
new Albert Street and the	Var(z)= (J(Y) · 1.8)2 = 3.242 = 10.50	
4	E(V)= E(X) + E(Y) = 85 + 82.04 = 167.04	
	Var (1) = Var(x) + Var (Y) = 9 + 10.50 = 19.50	
Commission of the Name	P(1 > 180) = 1-P(1 = 180) - 1 - Morm (180, 167 04, 119.50) = 0.005	
66 Server 20 10 10 10 10 10 10 10 10 10 10 10 10 10	- C 2 1 maps - 0 . 00 2	10
	E(W) = E(Y) - E(X) = 82.04 - 85 = -2.96	
AND THE RESIDENCE OF THE PARTY	Var (W) = Var (Y) + Var(X) = 10.50 + 9 = 19.50	
	P(W>0) = 1-P(W≤0) = 1-prom(0, -296, JA.50) = 0.251	