Date
3. Yellow balls (4) = 6 1 tramages A Holl AMA
Green balls (G1) = 9
a) <u>y 6 6</u> on = (400) 31 - (40) 31 -
6 × 9 × 8 = 432 = 72 (AUA) 4 - (40) 4 - (800) 4 (8) 15 14 13 2130 4,55 = 000 ×
b) Both Yellow + Both Green
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$
= 270 + 432 = 102 = M9 9
2730 2730 2730 HSS (9113) 5 (1) 5
(80.4)3 - 1818)9 (0
4. a) Exactly two black cards: two black and two red
total number of black cards: 26 (20A)9 :(8)9. (811)9
total Number of red cards: 26 111 - (2019)
$\frac{11}{150}$
b) Atleast three kings: P(3 kings) + P(4 kings) (30/13)3 (11/13)3
0/14 - 0/11 - (52) (52) (52) 210725 21 - (19)4
P(B/A') = 4/10 - 20 28 14 - 14
c) Exactly & black cards are drawn given that atleast three kings are
drawn.
let P(A) = Getting exactly & black cards (Ania) = (Alia) 1
let PCB): Getting atleast three kings (A)?
P(AIB) = P(ANB) = P(GreHing I black king, I black card and red cards)
PCB) = # P (Getting & Black Kings 11 red king : 1 red courd)
+ P (bietling & black raings , a red akings)
0.4.
P(B) P(B) P(B) 2 (1/4) P(B) P(B) P(B) 1 (25) × (25) × (25) (52) (52)
$\begin{pmatrix} 52 \\ y \end{pmatrix}$

			No. Date .	
: 2 ×	25 × 1 =	50	188.0 (219)9	•
רסרג	_	&7072S		
			(A) 9 (A12) 9 (21A) 9	(1
p (Gening	& black k	angs, mited	King 54/1 reat cara)19 (29) * (2) * (25)	
			$\begin{pmatrix} 52 \\ 4 \end{pmatrix}$	
514	0.0	2000	0-1x 0-45	•
: 1×12	x025 gra		0.1x0.45 + 0.4x0.3 + 0.3x0.25 0.	
270	725	೩ ७७१२९		
			881.0 = (Z/A)9	٠.
P (bretting	2 black kind	gs and 2 red	$kings) = {2 \choose 2} \times {2 \choose 2} = 1$	
			$\begin{pmatrix} S^2 \\ y \end{pmatrix}$ 270725	
P(AIB) = P(CANB) = BO	12707	125 : 101	h
,	PCB)	&107 2 5	(270725)2	
= 101		_ =		to the
7320	12025625			10,50
5. a) A ar	d B: depe	endent		
b) A av	nd c: inde	pendent		
c) Ba	nd D: dep	endent		
d) can	nd D: dep	pendent		
		Number	Can Salan (8)	
6.	Age	140000	Can Swim (S)	
6. 1e1 (A)	Age <80	457	901.	
6. 1e1 (A) 1e1 (B)	•			
	<80	451.	901.	
1e1 (B)	<30 30-50	457. 301.	901. 601.	
1e1 (B)	<30 30-50 750	457. 30%. 25%.	901. 601.	
1e1 (B)	<30 30-50 750 (S) = P(S	457. 30%. 25%. 318) P(B)	901. 601. 701.	
1e1 (B)	<30 30-50 750 (S) = P(S	457. 307. 257. 318) P(B) A)P(A) + P(S/B	901. 604. 707. 8) P(B) + P(S(C)P(C)	91.0

02-08 18) 191 V26 100 U.Z. (0) 4 (0) 2 (2/4) 1

(3) (10) (2) 1 (4) (4) (4) (3) 4 + (4) ((4)(8) 4

20 120 31.0 81 U 1 4.25.0 + d dxe.c + P.dx2n.c.

35.0 271.0 + 81.0 +20N n