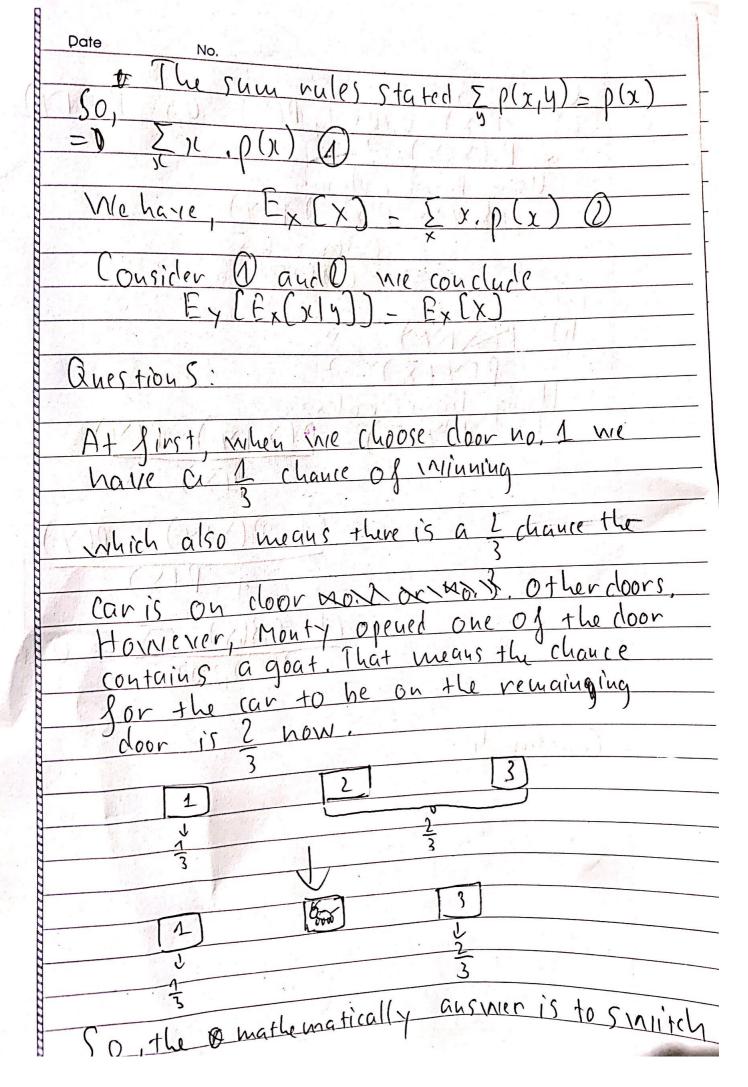


	Date No.
	Using the cause is it
	Using the same method me calculate the
	P(x=x1/=y4) = 1
	$P(X = X; Y = Y_1) = \frac{3}{116}$ $P(X = X; Y = Y_2) = \frac{5}{113}$
11111	D (X = X < 1 Y = WA) - 5/12
	P(X= x1 (Y= Y3) = 10127
11111	$P(X=x_1 Y=y_3) = 5/177$
0000	P(x=xxx (1/= 1/x) = 1/9
1111	P(X=xy (Y=ys)=5/17
11111	P(X= X< 1 Y= Y3) - 4/27
1111	AND ENGINEER OF THE COLUMN THE
unn	Conditional clistribution
un	
1111	7 7 712 111 3 5112
1111	42 1126 1193 3/16 5/13 5/15
1111	43 10/27 5/27 11/9/3/21 1/21
1111	10 1 1 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1111	Question 2: 10 la lor the expectation
11111	100 Mary
1111	conditional expectation: $\sum x \cdot p(x y)$
The same	$-\frac{1}{2}\left(\chi\left(\chi\right)\right)$
1111	THE VIEW TO A VIEW TO THE TOTAL PROPERTY OF THE PARTY OF
1	Thomas Pove
	FY (FX ()(14))
	$\frac{1}{2} \left(\sum_{i} x_{i} \right) \left($
	75 D(Y) x p(x 19), r(1)
	Prule State that Prings
	Daye
	50. pl/4
	- CAL Y



Date Statistically speaking let A he the event which the can is he hind door not and B the event Monty open door not and Applying Baye's rules we have: - P(XIU) P(Y means that if monty open door no. ? the probethe car is behind door is the probability Monty open cloon no. 2 Again lave Open door number 2 audithe can is behind Suppose their can is behind door not. The probability that Monty open door not Monty can only choose 2 or? and So: b(X11) reve Sove, inhen Monty open he probability the can is behind door 1 On the other hand, we can is behind ton 1 on has the corn of the has the car so let

Date No.
a) D(V) alos D(V)
P(X) = 0,107 $P(Y) = 0,5$ $P(X Y) = 0,365$
Using Bayes rules.
Oly WY OLLY DOWN
$\frac{P(X Y).P(Y)}{-}$
$= 6,365 \times 6,5$ $= 6,365 \times 6,5$
0,702)
b) P(X/X) = 81
$\frac{1}{1} \left(\frac{1}{1} \times 1$
Using Bayes rules:
P(Y X) = P(X Y) P(Y)
$\rho(\overline{X})$
$\int \int $
$-\frac{1-P(X Y))\cdot P(Y)}{}$
1713 (X)
(1-0,365)
1-0,707
Question 4.