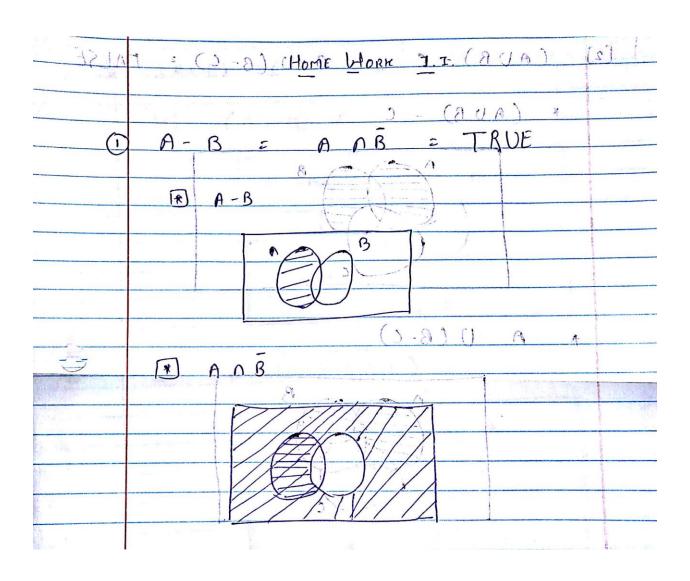
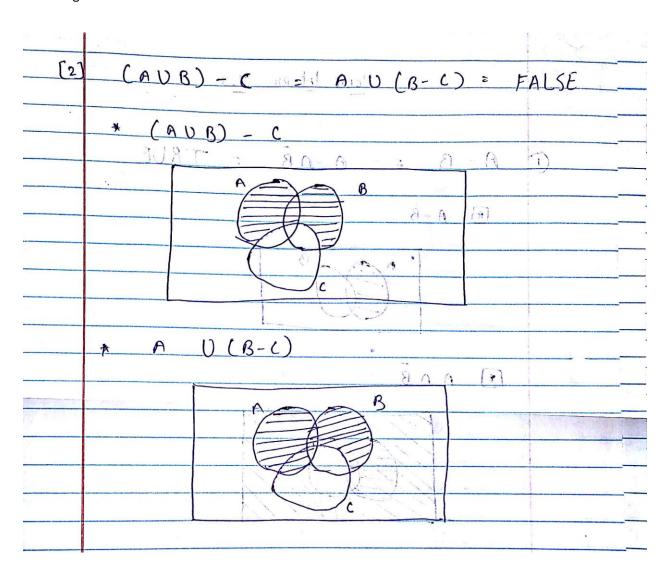
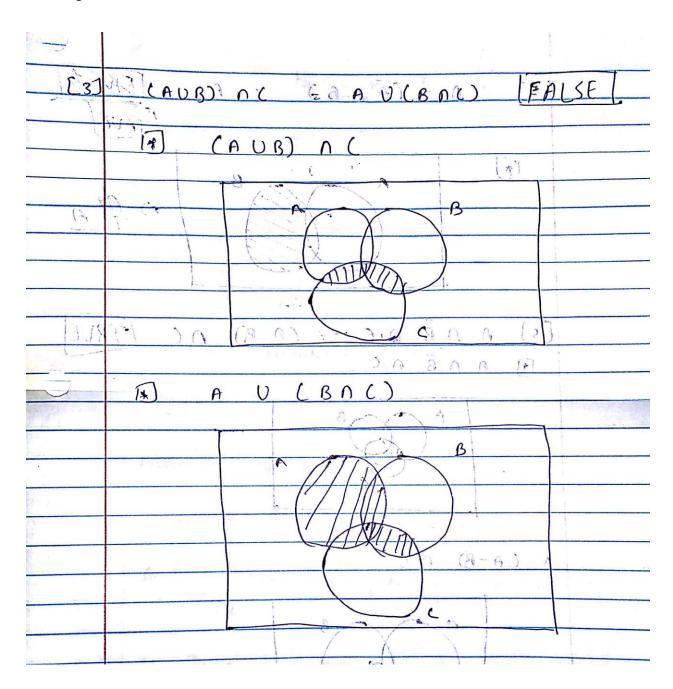
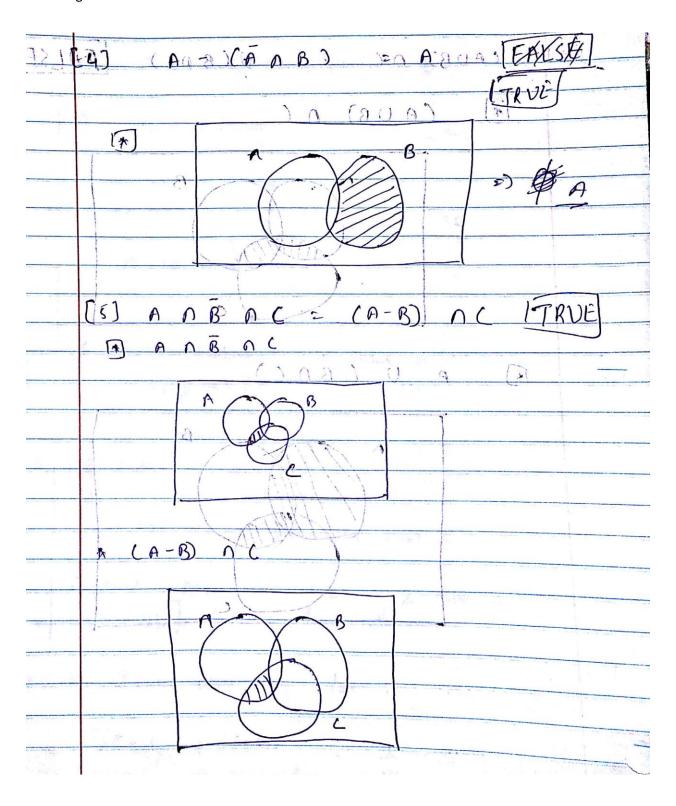
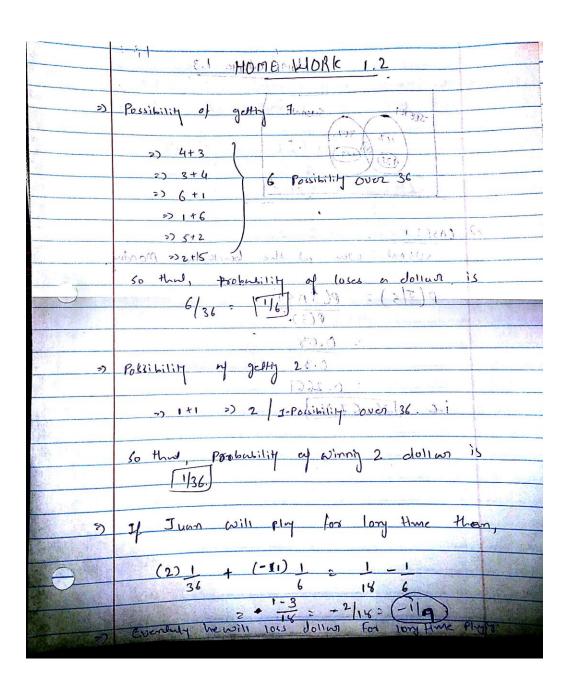
# Home Work – 1

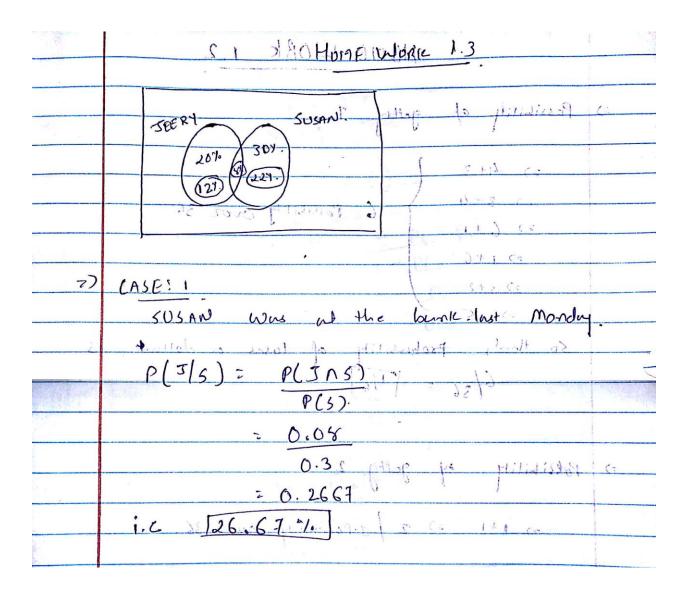






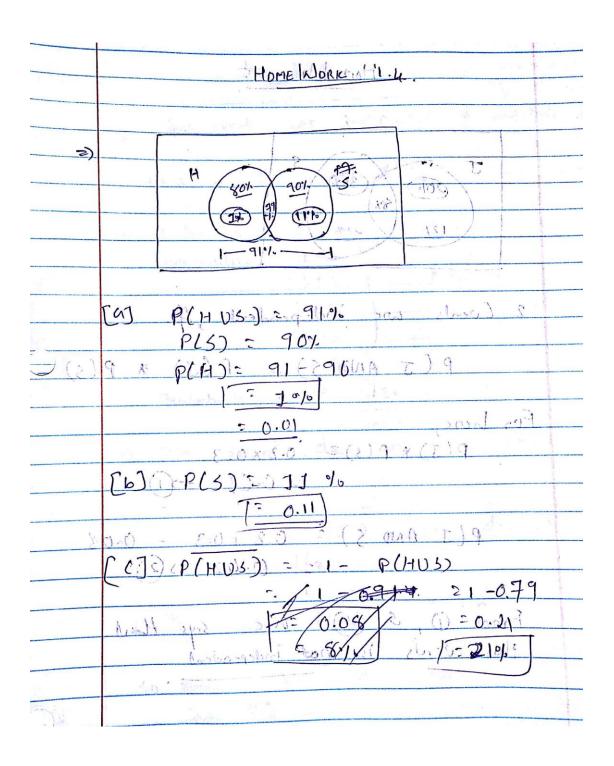


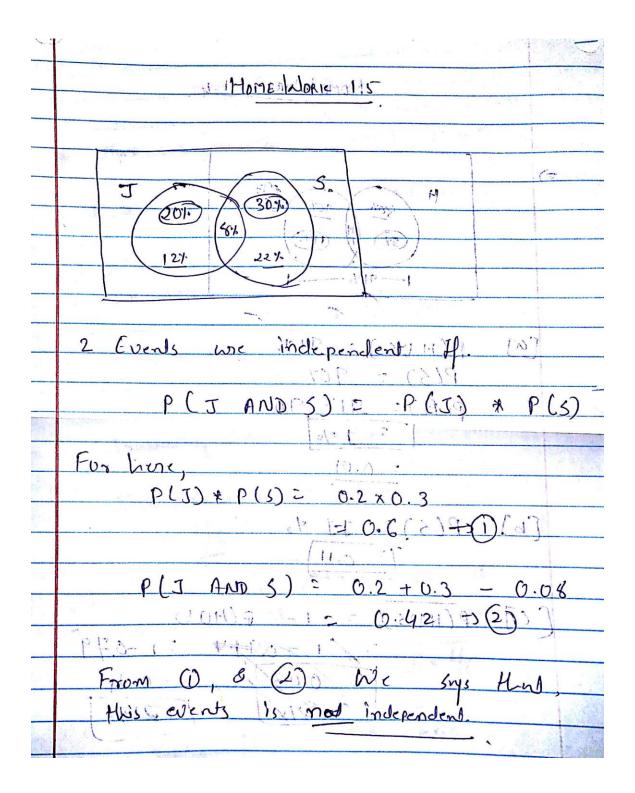




J( 1-5	too contract we have and at least one
7)	(ASE 2: Last friday, susum when't at bunk
	(ASE 2: Last friday som wasn't at bunk
	$\frac{P(J J)}{(201)^{9}} = \frac{P(J \cap \overline{S})}{(201)^{9}} = \frac{P(J \cap \overline{S})}{(201)^{9}}$
	(>000 = 9 P(J) - P(J OS)
	(2012)90.20 - 0.08
	20.12
)	60.00
- 7	2 011714
	4001.0
	Probasicity 13 17.14.90

Case ( last Wednesday at least one	of them
Case C: Last Wednesday at least one	) (5
pansinsility of bother were then	
(202)9 - (510)9	
P(J05) = (3)P(J05) 0 P(JUS)	
$P\left(\frac{305}{305}\right) = (2)P(305) - (3)(2)$	
(2)7 -11	
80.0 - 20.0 P(Jn3)	
P(JUS)	
51. 7	
F 5- 0.08	
0.42	
20.1904	
Probubility: (19.04 1.)	





	Home Work 1.6
	(b) possibility out - die som it i
[a]	
	111
	P(x (y) = P(x) * P(y)
	[A] >> The sum is 6.
	0.33.00 1 1461 573
	5+1 5 over 36
	4+2
	Participal of 12th of 1915
	3+3
Li	2 Pousobility stis last 50/36, pilled idos
	3/1.
	=) The second die shows 3 pontability is
	(2 world pilo lettl b. if i mod) 9
9	6) P(Sum is 6 AND Second die Shows 5)
2. 20.	12 5/2 120 120 126 15 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	Oc. 1011 1 111 11 11
	While P(x) * P(y)= 5/36 × 1/6
60	Form (1) & (2) both eye some
	son thing about is events on the NOT
	INDEPEN

-		
4	2.1 signal years	
	[b] possibility of die sum is 7.	
20	[b] possibility of die sum is 7.	[10]
	1+1	
	(6+)17 (-1)1	
3	(6+)17 ( Possibility of 36	
	2+4	
7	5+2 1 3 6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	31 18
·		
	(1)	
	0 1 1 1 6/20 2 1/4	
=	Probability of sum 7 is (6/36 = 1/6	
	<u> </u>	
	Probability of Gost die Shows 5	
	The second secon	-1
1.4	man 2 solows site house with a	
	P (Sum is 7 & Hirst clien shows 5)	
	≥ 1/36. →(i)	
2100	12 - 15 - 15-0552 & CUA: (2) - c/ 0xxx2) 9 C	
	P(snm is 7) * P(First die 51	wws 5)
40	1/, * 1/6: 1/36-)	
	11 x3/16 (+)7 x (+)7 x 11/51	
	From (D & 2), both are sum.	
	To so this event is in Independentic	
	1/29/10/27	

at at a line		V
	Home Work 1.7	
		Tell si
110 1,-13 5	XT of wat part product	
State	Daby O.O.S	
	es <b>(</b> 0	36
Stute	Drilling Prabability	Findy Oil
7	, K.E.	Poubulity
NJ	16%	16%
τv	CAN	36%
TX	60%	30 /6
AK	30%	20%
1) [		
[1] Poul	soility of finding oil!	
> (0	1.1 × 0.1) + (0.3 × 0.6) + (0.	3 * 0. 2)
	0.01 + 0.18 + 0.06	
	0.25	
1 2	25.11	
		1

	F. 1 singly moti	7	
[2]	ŦX **		
:	Probusity they doil in TX 6	find oil.	*
	5 0.6 × 0:3	. 17.1-	
	0.25		
[1	1 3 0172 116	1/2/2	
d	= 727.		
to record to the			
	6 V. A. V.	rla	7.4

HOMENORK 1.8
P(Sniess   YES) = P(Sniess O Yes) P(yes)
P(yes)
= P(yes (suices) * P(suices)
P(ges)
Plyes)= P(yes   succes) & P(smiess)
+ P(Yes / ANG.) * P(ANG.)
+ P(Yes   Avg.) * P(Avg.)  + P(Yes   failure) * P(tailure)
THE THE PERSON NAMED IN TH
2 (0.9 * 0.2) + (0.2 * 0.5) + (0.1 * 0.3)
2 (3.31
P(snuess/yes) = 0.9 * 0.2
0.31 T2 0.58
(58%)
(38%)