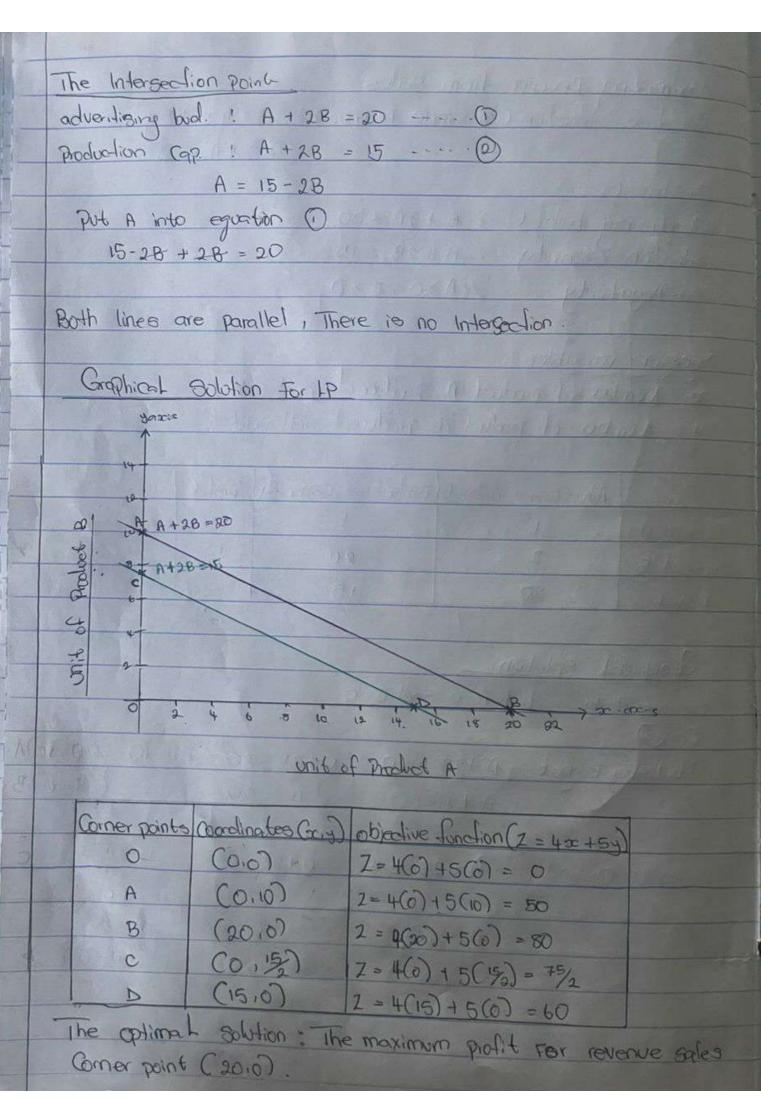
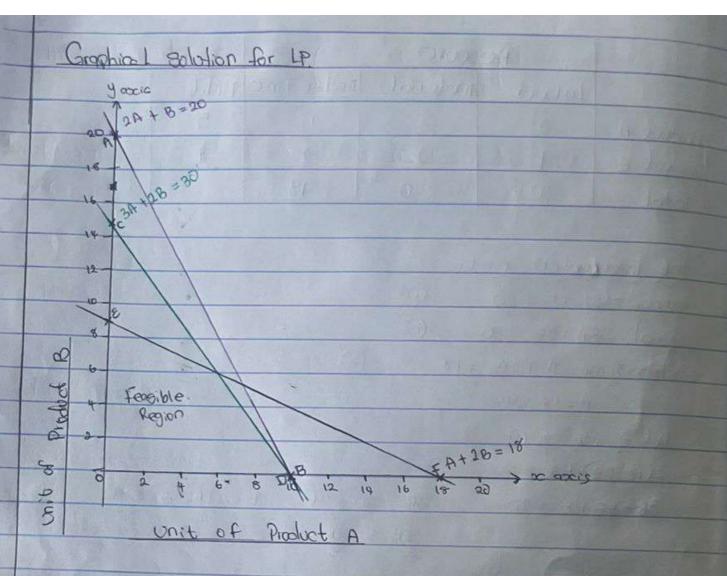


The Interesption points are (6.67 for 3A+2B=30 and A+2B=18 while (22, 16) for 2A+8220 and A+2B=18

-	1		
	Corner Points	Coordinates	Objective function (7) CA+4B
	0	6.3	Objective function (Z) SA+4B Z=5(0) +4(0) = 0
	A	(0,20)	Z = 5(0) + 1(00) = 80
	В	(10.01)	2 = 5(0) + 4(0) = 50
	C	(O.15)	2=5(0)+4(15)=60
9	D	1	Z = 5(10) + 4(0) = 50
1	THE RESERVE THE PERSON NAMED IN	(0,9)	7 = 56) + 4(9) = 36
1	F (2 = 5(18) + 4(0) = 90

optimal Solution: The maximum profit is z = 90 achieved at the Corner point (18:0).

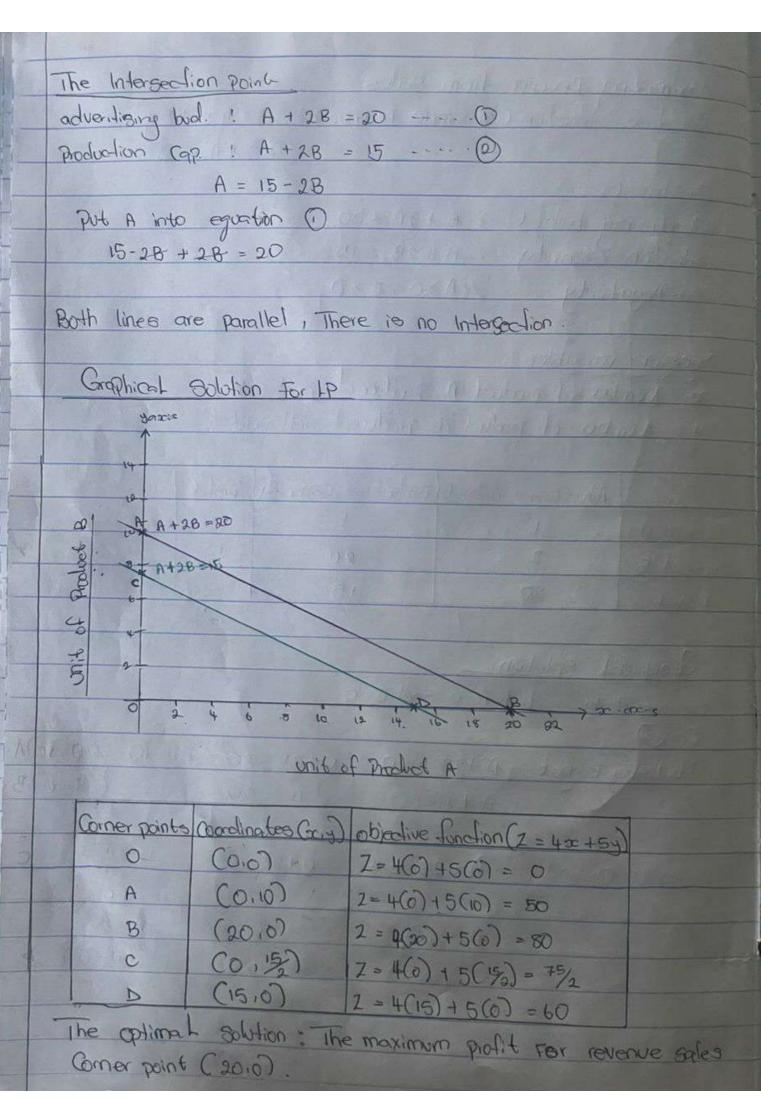


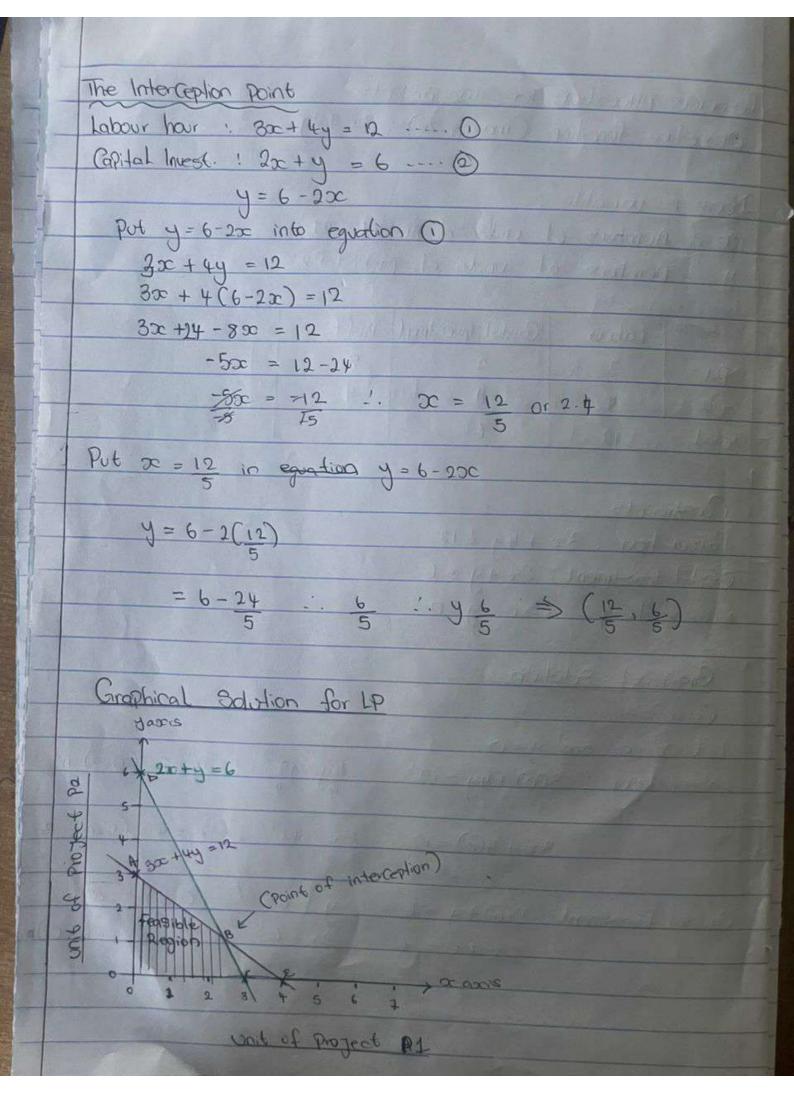


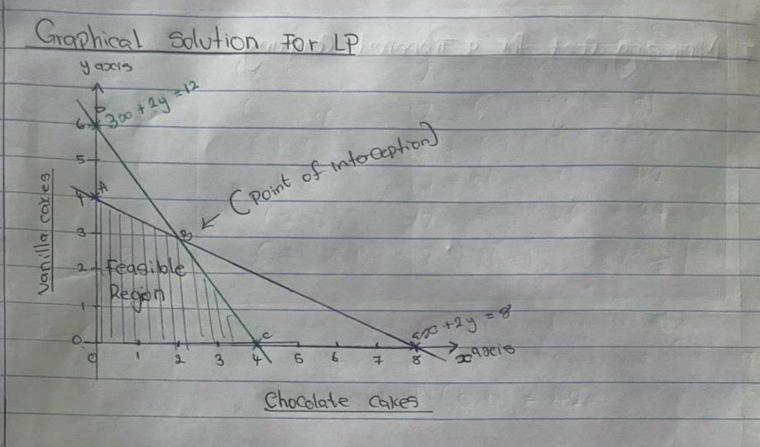
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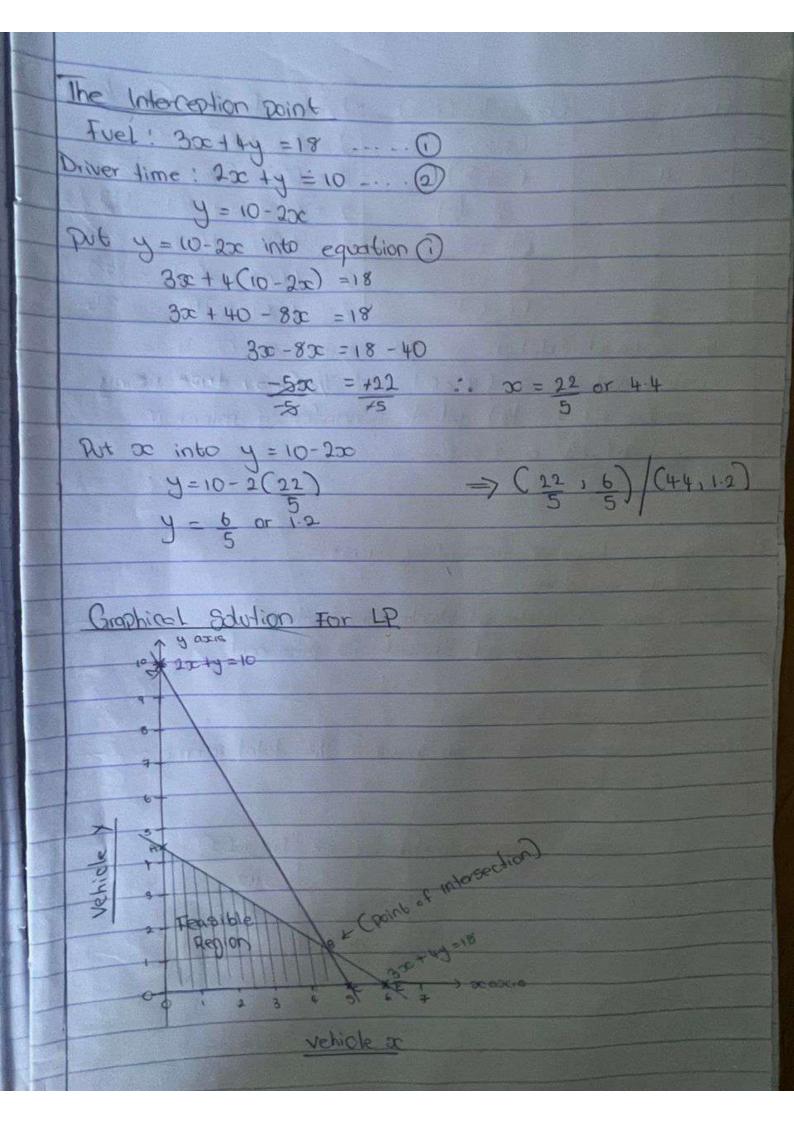


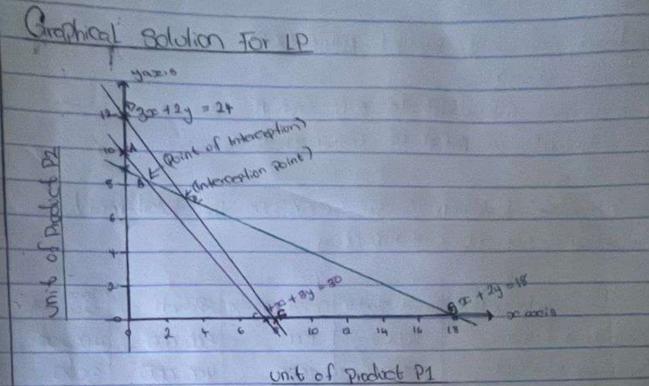




-	The state of the s		
1	Corner Point	Coordinates (Co.y)	Objective Fundion (2=5x+3y)
The same	ço		1 = 5(0) + 3(0) = 0
	A	(0,4)	2 = 5(0) + 3(4) = 12
The same	3	(2.3)	2 = 5(2) + 3(3) = 19
1	C	(410)	Z = 5(4) + 3(6) = 20
	>	(0,6)	z = 5(0) + 3(6) = 18
	3	(8,0)	Z= 5(8)+3(0) = 40

The optimal Solution is to produce 8 chocolate cakes (oc=8) and O vanilla cakes (y=0), which g generates a profit maximum profit of N40





The Interception points are (6,42) for line 40x+3y=30 and x+2y=18, while (3,15) for line 3x+2y=24 and x+3y=18

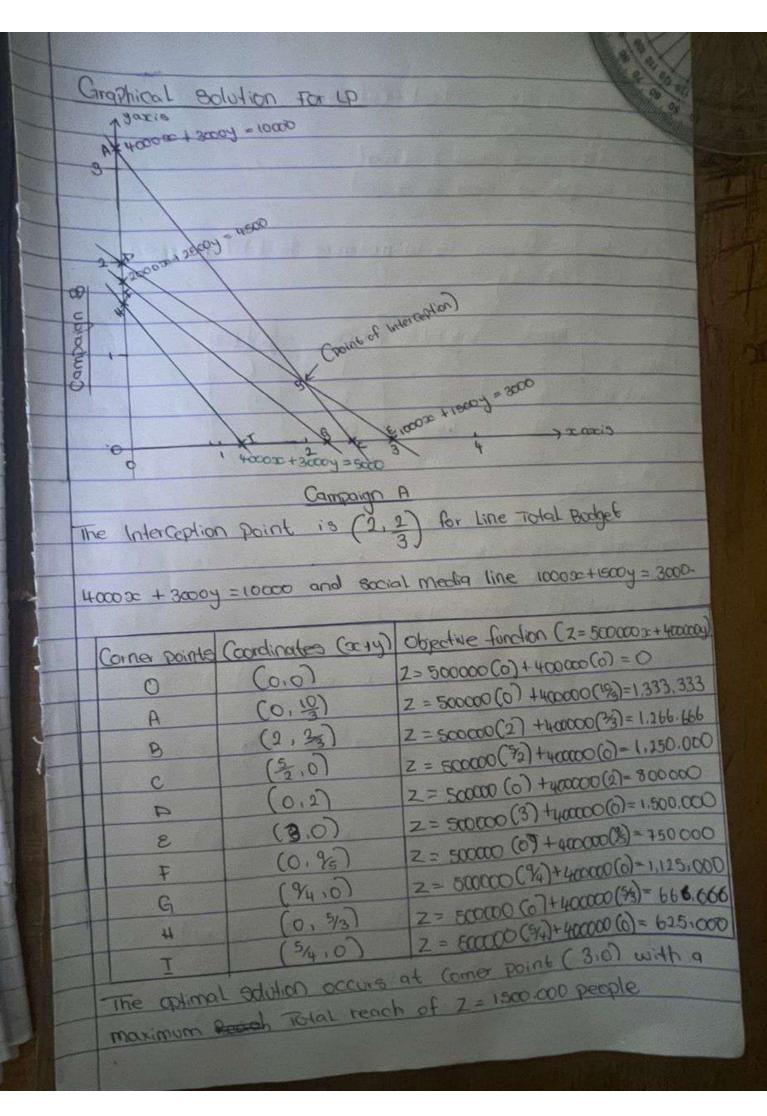
Corner points	Coordinates Cary	Objective - Finction (2 = 10 x + 124)
0	(0.0)	2=10(0)+12(0)=0
A	(0,10)	2 = 10(0) + 12(10) = 120
B	(号, 号)	2=10(当)+12(特)=112.8
C	(12,0)	2= 10 (1/2) + 12(0) = 75
	(0,12)	2 = 10(6) + 12(10) = 144
D	(3,152)	2 = 10(8) + 12(12) = 120
£ +	(8.0)	2 = 10(8) + 12(6) = 80
+	(1810)	Z= 10(19) + 12(0) = 180
G		

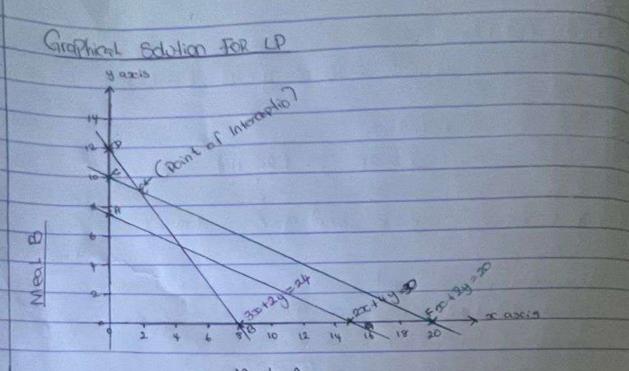
The Optimal Oblation to minimize Revenue from

The Optimal Solution: The maximum profit / revenue is z \$180

Optimal Solution: The maximum profit / revenue is z \$180

achieved at the Corner points (18.0)



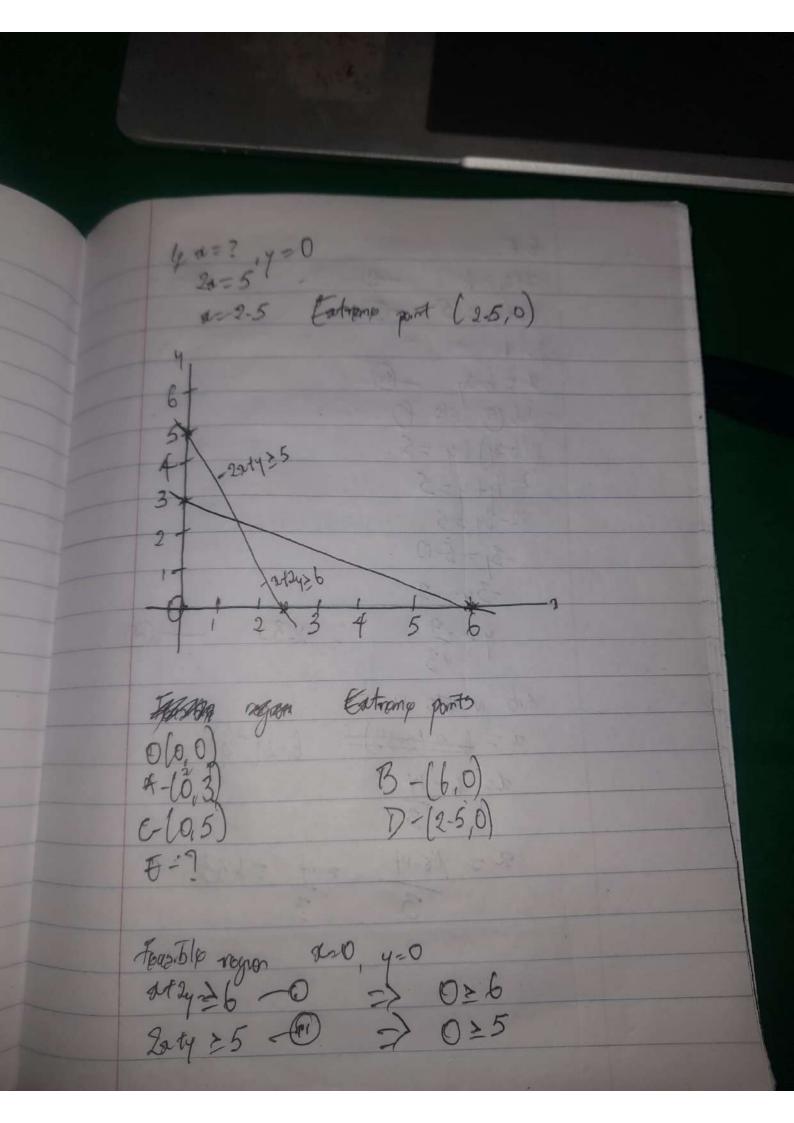


The point of Interception is (2,9) Line 30x+2y=24 and Line 0x+2y=20

		The second secon	
	Corner points	Coordinates (an)	Objective Function Z = 6 x + 54
		(0.0)	2 = 6(0) + 5(0) = 0
	A	(0.号)	2=6(0)+5(1/2)=37.5
	3	(8,0)	2 = 6(8) + 5(0) = 48
10.10	C	(0,10)	2 = 6(0)+5(10) = 50
	D	(0,12)	2 = 6(0) + 5(12) = 60
	3	(2,9)	Z = 6(2) + 5(9) = 57
	F	(20,0)	2 = 6(20)+5(0) = 190
	G	(15.0)	Z = 6(15)+5(6) = 90

The optimal solution occurs at (20.0), meal AGO: 20 and meal B(y):0

The addion maximizes the total revenue which $Z = \phi(20) + \phi(0) = \phi(20)$



To be 26)+3/2/2 3/2/2 => 4=12 4-4 Estrong point (Ort) 1/ a=?, y=0 2a+3lo)=12 Fatro 20=12, => x=> 6 Eatroms point (6,6) atzy & 8 4 x=0, y=?
2y=8 => y=8/2 = 4

Eatrems point (0,4) le a=? , y=0 a+2(0)=8 2.8 - Extremp point (8,0) Foarble region 2 2a+3y ≤ 10 →0 Oin 272458 058