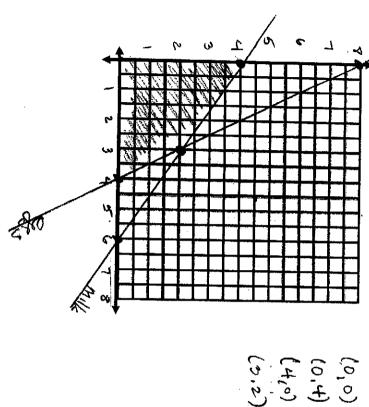
1) Mrs. Doubtfire is baking cakes and pies for a bake sale. Her cake recipe uses 2 eggs and wants to bake as many items (cakes and pies) as possible using the 8 eggs and 6 cups of milk that she has on hand. How many cakes and pies should Mrs. Doubtfire make if she wants to make a profit of \$3 for each cake and \$3 for each pie? What is her profit? 1 cup of milk, and her pie recipe uses 1 egg and 1 1/2 cups of milk. Mrs. Doubtfire

	nakin	and	Total / Limits	inequality / constraints
# of (what is being produced?)		5		
limitation #1				
PARK	v	 -	×	22
limitation #2				
mmanon **		-iv	E.	X + 1.50 = 56
objective function		6		
	ù	a) ,	NAX.	マットといって



$$\begin{array}{cccc} (0,0) & & & & \\ (0,+) & & & & \\ (4,0) & & & & \\ (5,2) & & & & \\ \end{array}$$

3 calu, 2 pin Profit \$115

profit? What is his profit? planks, how many dinner tables and coffee tables should be made in order to maximize his for each coffee table. If he just received a shipment of 300 oak planks and 420 mahogany The owner of the carpentry shop wants to make a profit of \$250 for each dinner table and \$120 planks of mahogany, while the coffee table needs 4 planks of oak and planks of mahogany. mahogany wood. In order to build a dinner table, the carpenter needs 10 planks of oak and § 2) A carpentry shop makes dinner tables and coffee tables manufactured out of oak and

објестве тителоп	maracam **	limitation #1	# of (what is being produced?		
250	OX.	10	K	_	1
200	7	4	G	dunar coffee	
るな	420	<i>3</i> 00		Total / Limits	·
VALUE 250x + 120g = P	5x +74 = 420 (0	16x + 4g = 500 (0	×	inequality / constraints	
	(0,60)(84,0)	(0,75)(30,0)	plug is x10 are	with X-+y-	* can graph

for a poofit of \$480	54 ofte tables	8 denner tober table	can't have	(rought 8)	X=2.4	15 12 18 18 18 18 18 18 18 18 19 10 10 10 10 10 10 10 10 10 10 10 10 10	to find max 10 p + 4(54) =350	و	42 St	8 (30,0) - 1250 10×-144 = 840	1	13 (0,0) 5 (0,0) 5 (5x +1/1) = 420	_		
	Salvenania Salvenania)	' (4