No:	Date:				
		Question	n #1		1 C 60
Solution	nΛ°				
Owers	P= 1658	3-420D			
		cost =	\$520/ser	vice	
		cost= \$4			
	, ACC	ν		₩ /	
	As Pz	a-bd	-bir	1 1 1 1 1 1 1 1 1 1 1	7
	•		\		
	a=	1658			
	b=	920			
	lemand at n	disch may	Dra Cit De	· / / / / / / / / / / / / / / / / / / /	
L	remand at w	MICH MUR	TOFIC OC	= (a-C	1/0 V
					Vav
				1658 - 5	20
			7	2×42	
ľ	- 1 V			1	[[
L	to the total		, 2		
		D		T-	1
		1 max	Profit =	1.354	
				7,()	
					Q
	Demand at w	hich man	income c	CCUYS	Q /
	1 1 - C				9/
			Umar	Uncome =	-6

840 1.97 Scanned with CamScanner

To plat these in total income function
we need Total income on these demands
value.
Total income in Drauprofit:
Total income = a D - bD2 manprofit
man profit man profit
~ 1658×1.35-(420×(1.35))
= 2238.3 - 765.45
= 1472.85
Total Income on max Demand - aD-bD2
= 1858 x 1.97 - 6420 x (1.
= 3266.26 - 1629.6
= 1637.06

No: Date:				
140.				
(-vanhe				
Gyaph:				
Total 3.	may income			
Income 1.47				
	1 1.37 1.97 Demand			
	$D(1.97) = D_{\text{max Income}}$			
	D(1.97) = Dmaxtncome D(1.354) = Dmaxprofit			