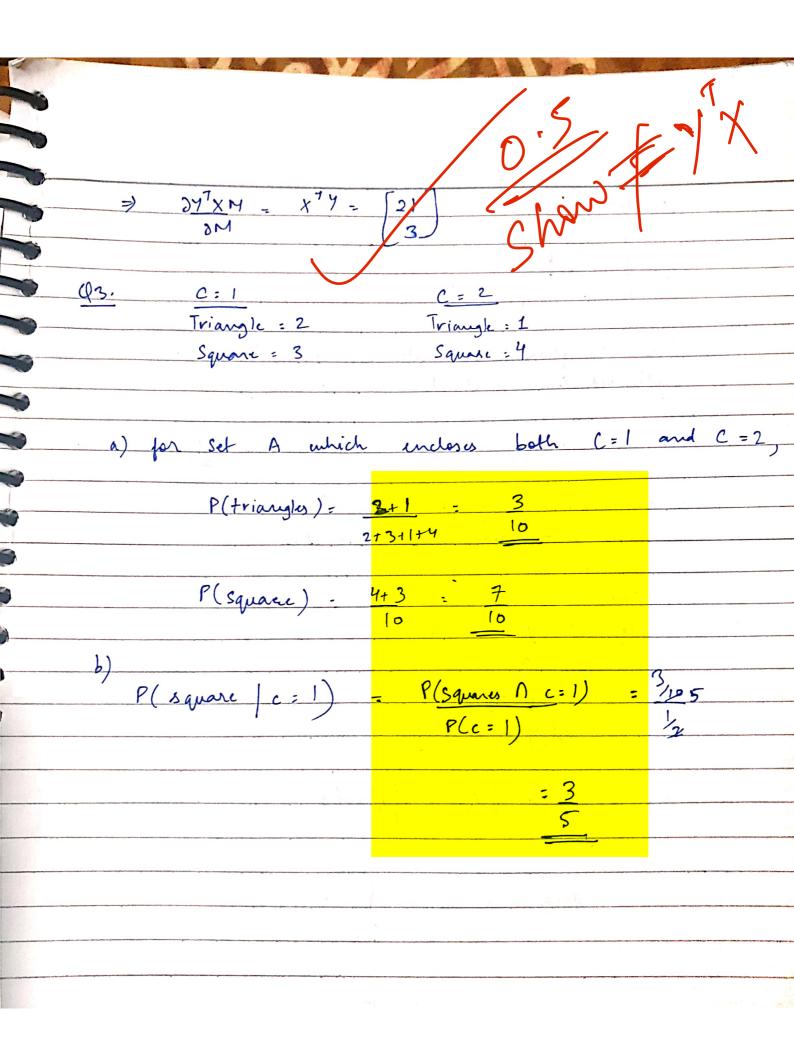
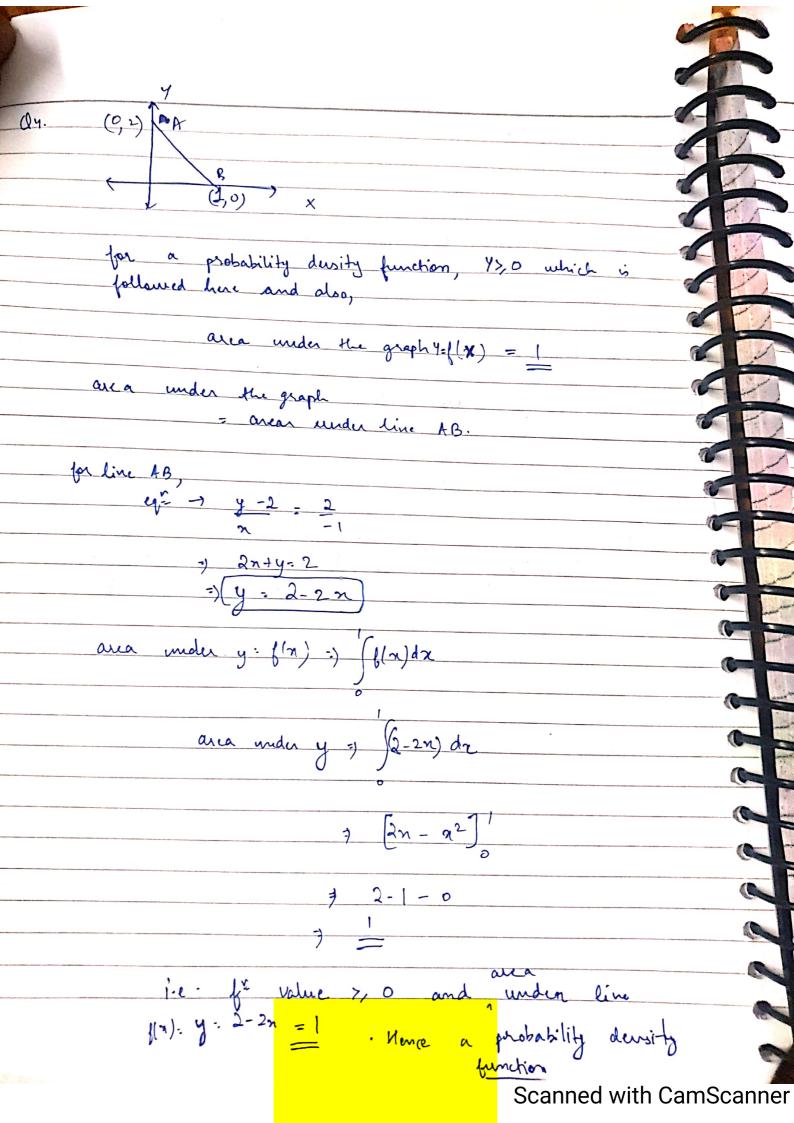


Scanned with CamScanner





	ls: 3 bits			
	i.e. 8 value	es and 8 qua	ntized leuds	
1	for the malue	s given in list ->		
	-ve value	d pixels are taken	to be 0	
	as pur con	nvention		
F		,0.7, 3.1, 3.3,7.4,	10.1,0,5.0,	5.5
	minimum value			
	manimum valle			
3	lange =) 10.1-	0 - 10-1	i vic	
	internal length = =	ronge		
	interval length:	o of levels	r - problem	
		0 1 240 0		
~	1. 4 . 10.1	- 1.2625	in in as	
	length = 10.1		list element	in quartize
Bits			A THE STATE OF THE	Y
		0-1.2625	→ {0,0,0.6,0	. #}
00001	interval 27	1.2625 -2525	102	
0017		2.525 - 3.7875	-> & 3.1,3.3 }	
0107	111 11 11 11 11	2.3935 - 5.05	7 \$5.07	
0110	Interval 117	(210 +	→ 55.5 ¥	
[00]				
0 (017)	Mouve	7-5 6.3 hs - 7.575	→ 57,4 g	
1107	internal 7 ->		7	
1117	interval 8 -> "	8.8375- 10.1	- 210.14	
	-3-)000			
) =	I .	5.0 -> 011		
	0.6 -) 000	5-5-100		
	0 -+ -) 000	·4 -> (0) -> Sol=		
gala, ki kan dan kan kan kan kan kan kan kan kan kan k	3.	0.1-) [1]		
	3-3-)010	2111	le all	ual.
	Values were	quantified to 36its in	n The part	0

Scanned with CamScanner

A sensor pirel can have only one value. eranging from 0 - 2nd (n is the bits, ic. 0-255 for 8 bits) If we have only I pinel, that pinel will only have one colour, so our image is one-coloured Square, and it does not really give us darity about the stoud image, the we lose all information of the original image (which on observation has 2 colours). If we have 10 × 10 pinels (i.e. 100 pinels), that means an array of 100 squares, each of them can hold a different value hence a different colour. In the image, I have marked & points and some of them have black colour and some white, so now we have 100 pinels and we know each one of them can hold a different colour, & hence we have a higher resolution of the image, but also less information is lost, we can map 100 points to specific values and they will help us to recognise the character "A". me fanour 10 × 10 pinels ouer 1 pinel