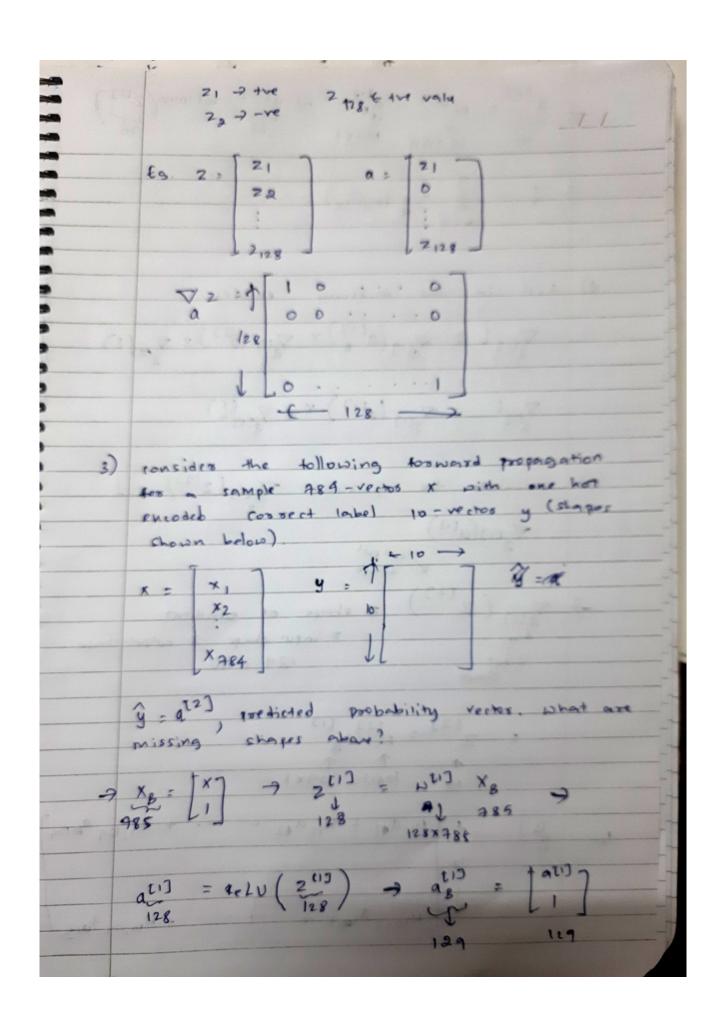
	//_
tal	Accignment Pooblem set 2
1)	
1) ->	cuppose ati) a 128 vector let dell
	B (alcolate the gratient
	ation = 1 ation of the gradient of the gradien
THE WAR	0.
No. 19 3	ating (ating)
15,54 4	Elect exinpat 1 x 18 W
	Shape of goodient: input shape x output shape
	= (128 x 1) x (129 x 1)
OX	- (128 × 129)
o sk	18200
011	← 129 — → → → → → → → → → → → → → → → → → →
DOX	1 0 o gradient
	128 0 0 1 Tatis (atis)
	- PO = (xw) \7
	P3 00 X2
	5 X 0 0
J.	
	calculate the gradient \$\square{2}(a).
	doutput shape of gradient:
2 great	(a) shape of gradient:
	= input shape x output shape
	7 = input shape x output shape 7 = (128 x 1) x (128x1) 1/1947 = 128 x 128.
	1 X 0 0 0 1 X 0 0 0 0 X
	The values of gradient will be Tor o
Exal	depending on whether values of 2 goe tre
	or -ve



$\frac{1}{2} = \frac{1}{2} = \frac{1}$
4) Fill in the missing entries $\nabla_{au3} L = \nabla_{au3} (a^{U3}) \times \nabla_{au3$
$\frac{\nabla_{2}(1)}{2^{(1)}} = \frac{\nabla_{2}(1)}{2^{(1)}} \times e^{\frac{1}{2}} \frac{\nabla_{2}(1)}{2^{(2)}} \times e^{\frac{1}{2}} \times e^{\frac{1}{2}} \times e^{\frac{1}{2}} \frac{\nabla_{2}(1)}{2^{(2)}} \times e^{\frac{1}{2}} \times e^{\frac{1}{2}$
2 (2) =) shape of gradient = input shape x output shape input shape
$\frac{1}{2} = \frac{127}{4} = \frac{127}{4} = \frac{117}{4} = \frac{127}{4} = \frac{127}$
$\frac{(2)}{2} = 1 a_{0} + a_{0} + a_{1} + $

