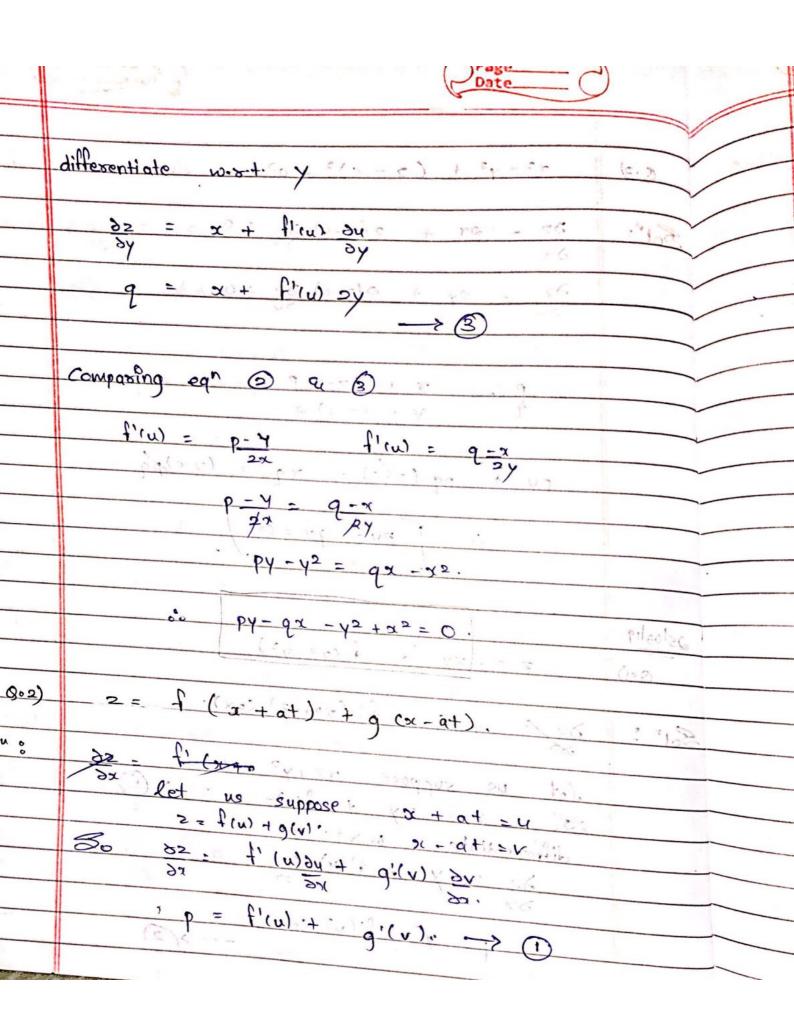
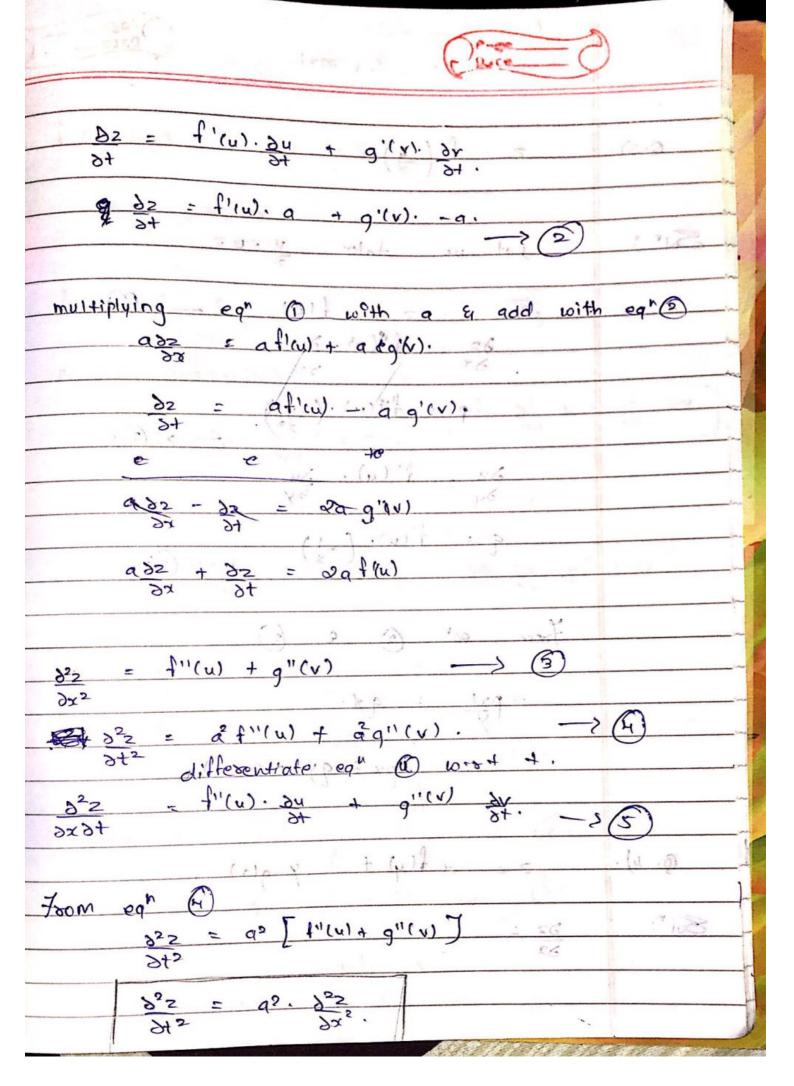
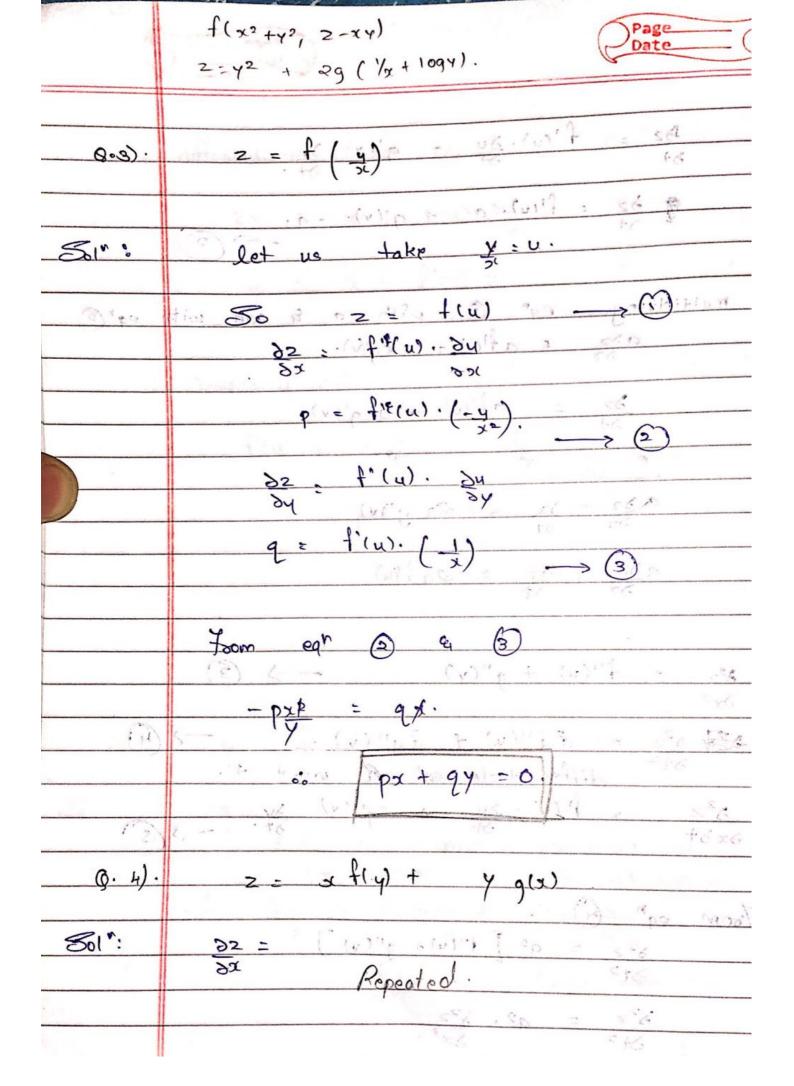


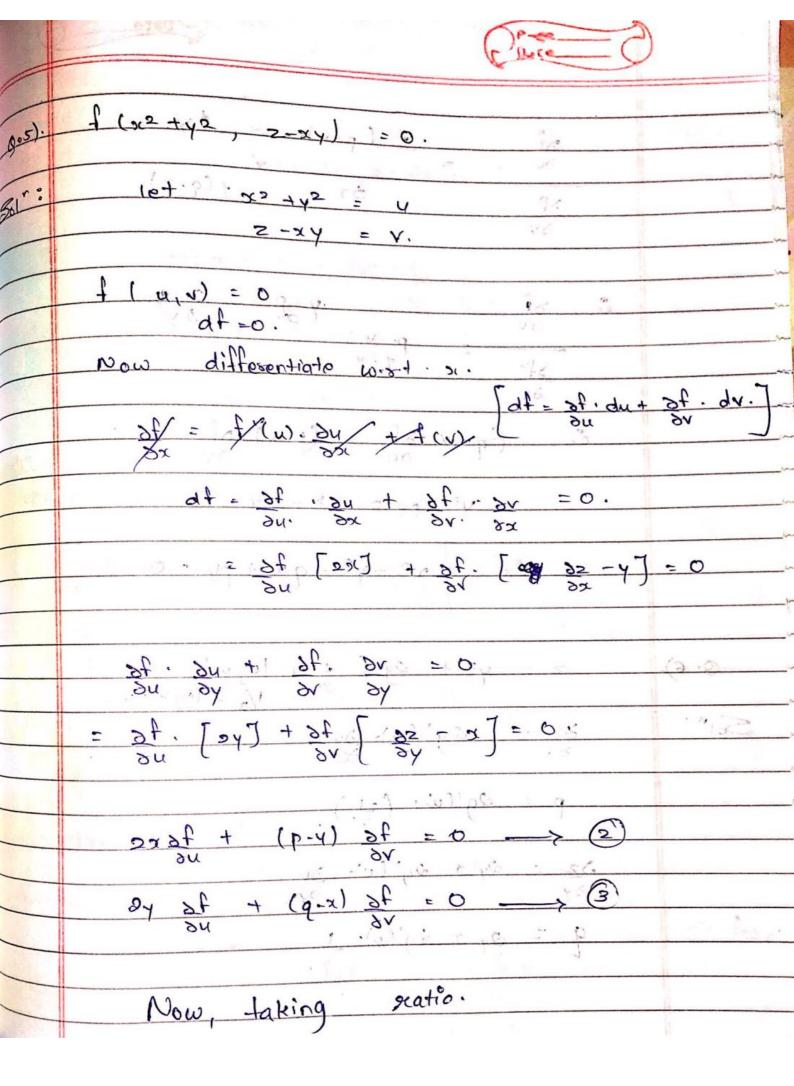
Scanned with CamScanner

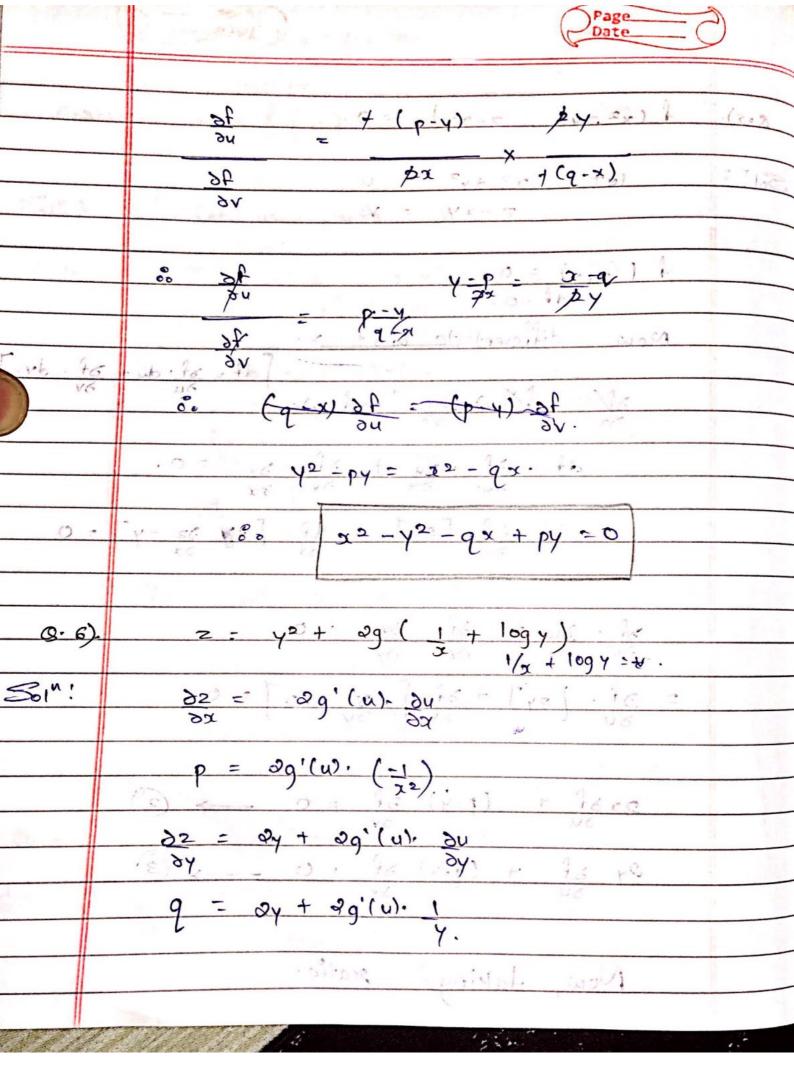
```
x^2 + y^2 + (2 - c)^2 = a^2
  8.3)
       95 = 2x + 0(5-c).95 = 0
Sol":
       25 - 84 + 8(2-c) 35 = 0.
          \frac{p}{q} = \frac{3 + (2-c)p}{y + (2-c)q}
        py + pq (2/-c) = xq + (2-c)pq
            -: [PY - QY = 0]
Soloslig
         z = xy + f(x^2+y^2)
   (100
      02/= y + f'(x2+y2). (xx).
801":
       let us suppose x2+y2 = 4.
       So z = xy + f(u). -> ()
        differentiate w.s.t.
         95 = A 4 f. (n) 9n
        p = y + f'(u). (29)...
```

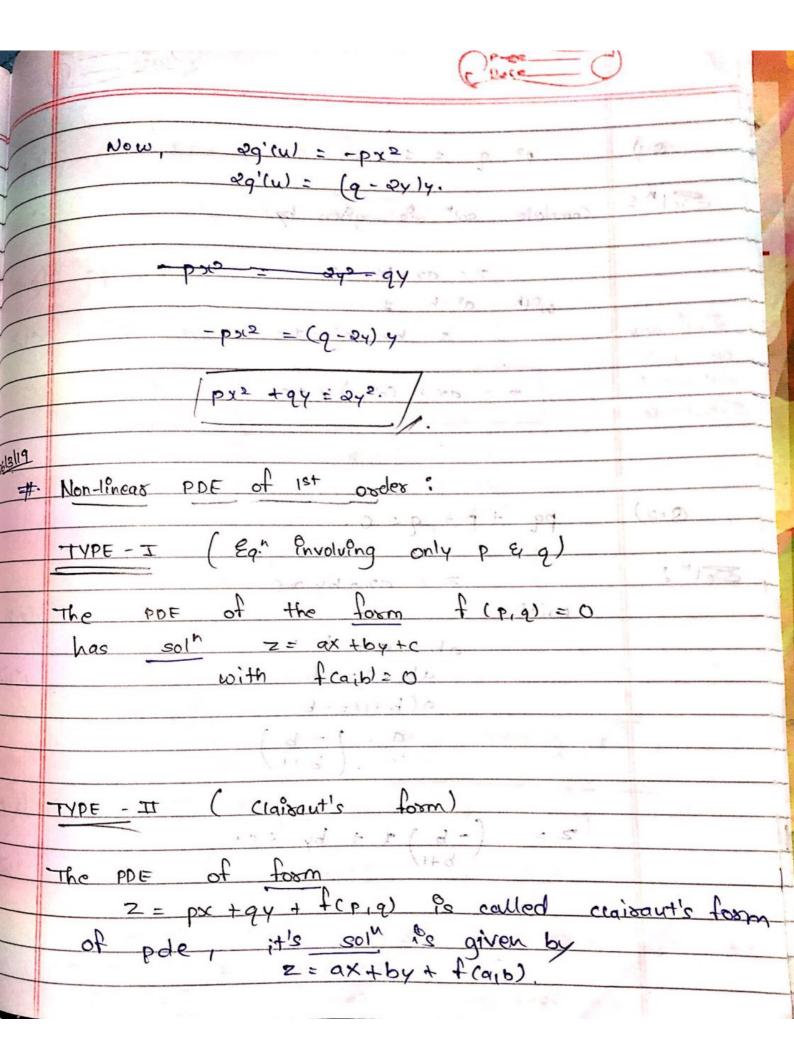




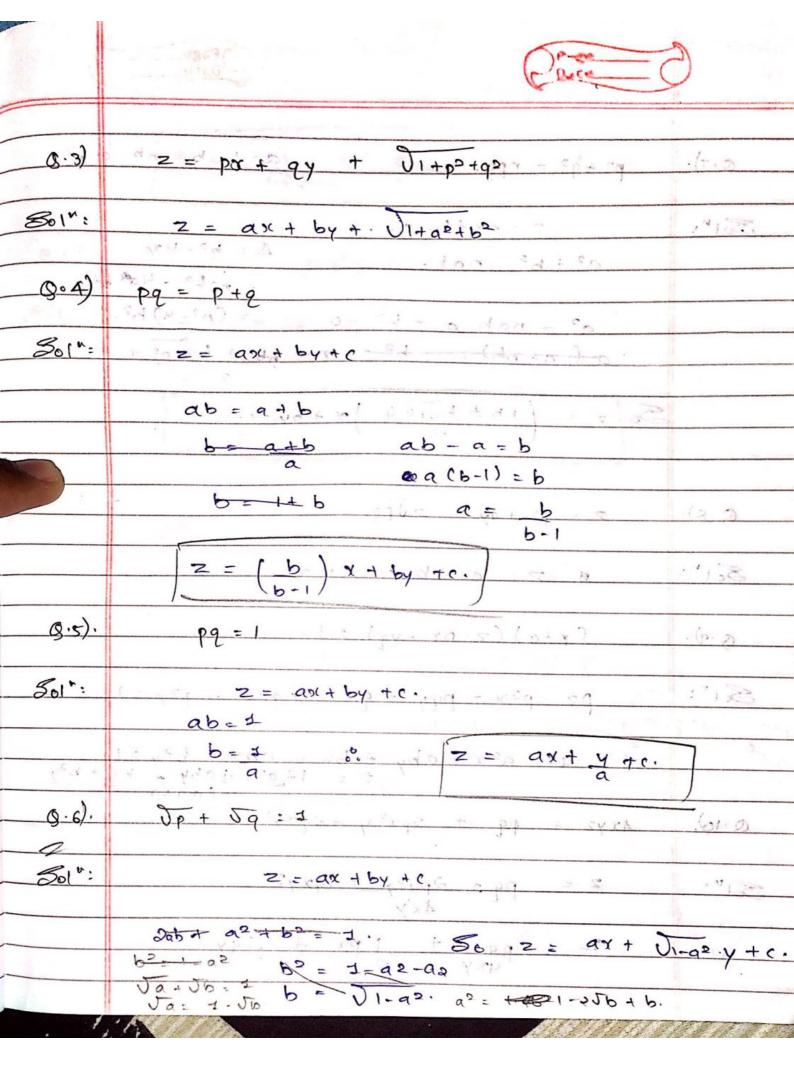








0.1	p2-q = 12-7- : 101'pc = 0.004	
	. v(vop) = (u)'po	
501	complete soin is given by	
<u> </u>	z = ax + by + c	
	$\omega^{oth} a^2 - b = 2$	
Jind an	y b= a2-1.	
one valu		
Eubstitule	2 - 41 (4) 7	
Duesting		Del .
	Ner-18,000 to 10 700 800 11-1011	Pilelo
0.2	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	11-
8.2	pq + p + q = 0.	
50V:		
	2 = ax + by + C	
	ab+ a+ b 20 d 100 201	
	ab +9 = -b	
	a(b+1)=-b	
	a=1-b)/ha	
	(b+1) (e+1)	3 33
	(min s'longion) tr - acres	
	2 = (-b) x + by +c.	
	b+1)	1.81
good ston	sinos ballocas? (5,0) + 40+ 00 - 5	
	vd Navi 22 May 21th Jolg 90	
	(d.o) + 2 4 4 4 4 7 7 7 7 1 2 1 9 10	-



	II	
		- 10
٥٠٦)٠	p2+q2 = npq: + - a= 1- b=-nb	c=p.5.
501h.	2 = ax+by+c	1715
	$a^2 + b^2 = nab$. $\Delta = b^2 - 4ay$ = $n^2b^2 - 4ay$	h2
	C 2 1. 2	· [A.O
J we	$a^2 - nab = +b^2 = 0$ = $(n^2 - 4)b^2$ $a(a-nb) = b^2$ $a = nb = b = 0$	
	a.	
yAge of	30 z = (nb + b) no-4) or + by +c.	
	d = (1 et) 5 et	
Q·s).	$2 = px + qy' - 2\sqrt{pq}.$	
5017:	2 = an + by - 2 Jab.	
3.0	2= 20 20 20 20	
9.9).	(p+q)(z-px-yq)=1. =) $z-px-qy=1/p+q$.	1.(2-2)
Sol":	P2 p251 - pqy + q2 - pq x - q24	1
2- 21- 64 6	$\frac{1}{2} = px + qy + p+q$ $\frac{1}{2} = q^2x - aby + b^2$	
9.19),	$\frac{1}{2} = \frac{a^2x - aby}{2} + \frac{b^2x - abx - b^2y}{2} = \frac{1 + a^2x + aby + ab}{12}$	$x + b^2y$
-9.91	4242 = pq + 2px y + 2qxy2.	-60
-561":	2 = pg + 20x2 + 3 2	3.
Notion!	4xy	1000
0032	12 - pa + 1 px + 19y	
		1 1

