Start here for Question Number:

 α $\alpha^2 = 4x$

22-4x =0

x(x-4) =0

:. x = 0, 4

p) ##

1 = a +6 vs

LHS: 1 x NS+2

= NS+2 (NS-2)(NS+2)

= NS+2 5-4

= NS+2 = PHS

:. 15+2= a+ bus

COOK .

2+NS= a+bNS

:. a = 2, b = 1.

c) C: (-1,2) Y=5.

 $(x-a)^2 + (y-b)^2 = r^2$

 $(x+1)^2 + (y-2)^2 = 5^2$

(x+1)2 + 1y-2)2 = 25

d)
$$|2x+3|=9$$
.

$$2x + 3 = 9$$

$$2x = -12$$

$$u = x^2$$
 $v = \tan x$
 $u' = 2x$ $v' = \sec^2 x$

$$f$$
) $1 - \frac{1}{3} + \frac{1}{9} - \frac{1}{27} + \cdots$

$$\frac{-\frac{1}{3}}{1} = \frac{+\frac{1}{9}}{-\frac{1}{3}} = v$$

$$2. v = -\frac{1}{3}$$

$$=\frac{1}{1+\frac{1}{3}}$$

Additional writing space on back page.

| | | | | oumpio 2 |
|----|-------------|---------------|--|----------|
| 9) | f(x) = | VX-8 | | |
| | domain. | Vx-8 x-8>0 | | |
| | Sicritati . | x>, 8. | | |
| | | -· X // 8· | | |
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