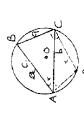
MODE THE EXT WITH SOLDHOND ACON

$\begin{cases} Q_{ij} = Q_{ij} =$	(1) Ext = 42 +2x2+c when v=2, x=0 2 = C 2 = C 2 = C	$V = 8x + 4x^{2} + t_{1}$ $V = \sqrt{4x^{2} + 8x^{2}}$ $V = \sqrt{4x^{2} + 8x^{2}}$ $V = 2\sqrt{(x + 1)^{2}}$ $V = 2(x + 1)$ $V = 2(x + 1)$	Now $\frac{dx}{dx} = 2(x+1)$ $\frac{dx}{dx} = \frac{1}{2(x+1)}$ $\frac{dx}{dx} = \frac{1}{2(x+1)}$	$t = \int x + i \int w(x + i) + K$ when $t = 0$, $x =$	(i) $\dot{x} = e^{3t} - 1$ $\dot{x} = 2e^{3t}$ $\dot{x} = 4e^{2t}$ when $t^2 / 1$ $\dot{x} = 4e^2 / 10/3$
(c) $P(x) = K(x+2)(x+1)(x-1) = 0$ Question(3) Now $P(A) = 36$ = 36 = k(4)(3)(1) = 66 = k(4)(3)(1)	$P(x) = 3(x+x)(x+i)(x-i)$ $= (3x+6)(x^2-i)$ $= 3x^3 - 3x + 6x^2 - 6$ $P(x) = 3x^3 + 6x^2 - 3x - 6$	(i) $A+P$ (acp, ap') $m = p$ (i) $A-ap^2 = p(x-acp)$ $A-ap^2 = px-acp^2$ $A=px-ap^3$ $A=px-ap^3$ $A=px-ap^3$	$x = a\rho^{2}a$ $x = a\rho^{2}a$ $x = a\rho^{2}a$ $x = x = x = x$ $x = x = x$ $x = x = x = x$	(i) mps = apr-a = pr-1. Asr = a+a - 2cp -apr+a - apr-a - apr+a - 2cp - apr+a - 2cp	ms = 1
$U = \chi^{3} + \chi^{2} + \chi^{2} = \chi^{2} + \chi^{2} = \chi^{2} + \chi^{2} = \chi^{2} + \chi^{2} = $	(a)	2 2 2	$\frac{(\overline{x})^{2}}{\sqrt{2}} = \frac{1}{2} \left(\frac{\overline{x}}{\sqrt{2}} \right)$	domon -1 $\leq \frac{3}{5} \leq 1$ -3 $\leq x \leq 3$ range -2π $\leq y \leq 2\pi$ (b)(i) $F(x) = x^3 + x - 3$ F(1:3) = 0.497 >0	$F(X_1) \leq 0 F(1:3)$ >0.00+ between $F(X_1) = 1\cdot 2 - \frac{F(1:2)}{F'(1:2)}$ $= 1\cdot 2 - \frac{(-0.072)}{3(1:2)^2 + 1}$ $= 1\cdot 2 \cdot 35338735$
$\frac{Q_{\text{Destion}}(Q)}{(a)\int_{0}^{l} \frac{\chi}{x^{1} + 2}} d\chi \qquad U = \chi^{1} + \chi}{a\chi}$	ا ج برانا ال برانا ال	$\frac{1}{2} \left(m 3 - m 2 \right)$	$\frac{4x - 8 > 3x^{2} - 12x + 12}{0 > 3x^{2} - 16x + 20}$ $\frac{3x^{2} - 16x + 20 < 0}{(3x - 10)(x - 2)(0)} \sqrt{\frac{2}{3}} (0) f(x) = 4 \text{ Sm}(\frac{2x}{3})$	9 17-	1 2 4 5 1 1 2 4 5 1 1 2 4 5 1 1 2 4 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

(1) $\frac{\chi}{\chi} = 0$ (1) height recheck - $\frac{\chi}{\chi} = 0$ $\frac{\chi}{\chi} = 0$ (2) height recheck - $\frac{\chi}{\chi} = 0$ $\frac{\chi}{\chi} = 0$ (3) $\frac{\chi}{\chi} = 0$ (4) height recheck - $\frac{\chi}{\chi} = 0$ $\frac{\chi}{\chi} = 0$ (5) $\frac{\chi}{\chi} = 0$ (6) him e of flight $\chi = 0$ (7) $\frac{\chi}{\chi} = 0$ $\frac{\chi}{\chi} = 0$ (8) $\frac{\chi}{\chi} = 0$ (9) $\frac{\chi}{\chi} = 0$ (10) $\frac{\chi}{\chi} = 0$ (11) $\frac{\chi}{\chi} = 0$ (12) $\frac{\chi}{\chi} = 0$ (12) $\frac{\chi}{\chi} = 0$ (13) $\frac{\chi}{\chi} = 0$ (14) $\frac{\chi}{\chi} = 0$ (15) $\frac{\chi}{\chi} = 0$ (16) $\frac{\chi}{\chi} = 0$ (17) $\frac{\chi}{\chi} = 0$ (18) $\frac{\chi}{\chi} = 0$ (19) $\frac{\chi}{\chi} = 0$ (19) $\frac{\chi}{\chi} = 0$ (19) $\frac{\chi}{\chi} = 0$ (19) $\frac{\chi}{\chi} = 0$
when $P = 8.1 \times 10^6$ $8.1 \times 10^6 = 12 \times 10^6 + 15 \times 10^6$ $6.9 \times 10^6 = 12 \times 10^6 + 15 \times 10^6$ $6.9 \times 10^6 = 12 \times 10^6 + 15 \times 10^6$ $10.1 \times 10 \times 10 \times 10^6$ $10.1 \times 10 \times 10 \times 10^6$ 10.1×10^6 10.1
$(\cos(x+y) = \cos x \cos y - \sin x \sin x)$ $= \frac{1}{5} \times \frac{3}{5} - \frac{3}{5} \times \frac{4}{5}$ $= c$ $x + y = \frac{1}{3} \times \frac{3}{5} - \frac{3}{5} \times \frac{4}{5}$ $= c$ $x + y = \frac{1}{3} \times \frac{3}{5} - \frac{3}{5} \times \frac{4}{5} \times \frac{3}{5}$ $(i)b_{2} = P(i+1)^{2} + P(i+1)^{3}$ $(i)b_{2} = P(i+1)^{2} + P(i+1)^{3}$ $(i)b_{3} = P(i+1)^{2} + P(i+1)^{3}$ $(i)b_{4} = P(i+1)^{2} + P(i+1)^{3}$ $= P(i+1) \times P(i+1)^{2} + P(i+1)$ $= P(i+1) \times P(i+1)^{2} + P(i+1)^{2}$
28 m 26 = 8 m 6 28 m 6 (26 05 0 = 8 m 6 28 m 6 (26 05 0 - 1) = 0 8 m 6 (26 05 0 - 1) = 0 8 m 6 (26 05 0 - 1) = 0 8 m 6 (26 05 0 - 1) = 0 8 m 7 + (-1) 0, 0, 2m 1 $\frac{\pi}{3}$ = $\frac{1}{1}$ $\frac{1}$



28cD= 90° (2m Semi-cirde) 2 800 = 2 8AC (2'S Stenamger) Sanneau)

Sm 2 80C = a

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.. Sm2.8AC = Q 2R

(11) Area AABC= 1.C.b. Smand Step @

= 1.C.b. B

= abc

(c) () $\sin x + i \cos x = A \sin(x + x)$ $A = \sqrt{1+3} = 2$. $\alpha = + \cos^{-1}(3 = \pi)$ 3.

 $\widehat{y} = \frac{1}{3} \sin(x + \sqrt{3} \cos x = \mathbf{E} \sqrt{3}$ $\widehat{y} = \frac{1}{3} \sin(x + \sqrt{x}) = \mathbf{E} \sqrt{3}$

Sin (x + x) = (3

 $\chi_{1}\frac{\pi}{3} = \frac{\pi}{3}, \frac{3\pi}{3}, \frac{7\pi}{3}$

Step @ Assume true n=K 9K+2-4K= 5M Mtrem 9k+3-4k+1;5divisible by S SPED@ Proof 9k+3-4k4-9.9k+2-4k+1 Step (2) Prove true for n= k+1 Induction.

= 9(5m+4k) - 4k+1= $45m+9.4^{k} - 4.4^{k}$ = $45m+5.4^{k} - 4.4^{k}$ = 5(9m+4k)which is almistale by S

Hence Stakmentis true for nikti when it is true for n= K.

for n=1 92-4=80 .True for n=1 Step (S) Step @

LSINKTECOSX = 2 SIN(X+3) | by SRP @ it will be true for n=2 and then Sme true for n=1 n=3 and so on for

2y=ex-e-x 0=e2x-1-2y.ex 0:e2x-2yex-1 ex=2y+y+++ (b) $\int \frac{dx}{1+4x^2} = \int \frac{x}{4(\frac{x}{4}+x^2)} |a| y = \frac{1}{2} |e^x - e^x|$

= 1 [fan-1(1) - +an-1(0)],

= 1/40-12x]

(c) A(-2,3). B(4,3) MAB : 0. Equation 9=3. Submits 9=2x+2. 2x = 1 ((n,m) - (E, 1) si 2 ...