	(2)
	Rus provedy
	Exercise - 7.5
	Creneral Section:
1.	Solve the following equations (0 \le 0 \le 180)
٥.	$\sqrt{2}$ sino e 1
	Solution:
	52 Sino e 1
	on Sino 2 1
	dbmssbaud 152
	on sino = Sinus '05/ = (00 - 08/) = 0
	1. 0 2 45°
	Mere, a e tre
	50,0 c (180'-645) 2 135°
b .	2056-120
	900 on Coso e 1
	2 (v +)
	04 C0560 2 C0560
	: 0 2 45 60
	Also,
	()
	to the second of

с.	J3 Tano-1 20
	on Tanb . 1
	V3
	T = h $T = 0.0$
	on Tanb : Tan 30
	0 2 30
1	- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1
۵.	7an6 + 1 = 0
	or, Tano e -1
	or, Taro - Tanus
	So,
	0 = (180'-45') -= 135°
و.	2 (056 4 1 2 0
	on (050 2 -1
	2
	04, C050 z - C0560
	Mere, 0 = -ve, it lies in 2nd and 3rd quadranth.
	Q = (180 - 60) = 120
L.	Sin20 : 1
p.	2
*	
	or, sino 2 + 1/2.
7	οη sin6 = 1 \ \(\sigma \)
	7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7
,	Taking (tre) sign,
	Sino 2 1
	Sino c sin 30
	.'. Q 2 30'
	Also,
	0 e (180 - 30) e 150'

Date:..... Page:.... h. Tanzo 21 4 (0520 = 3 br, Tanb 2 VI on (0520 = 3 on Tanb = 1 on coso 2 1 /3/4 on Tone 2 Tanys 04, (056 - ± 53 · . 0 2 45° Taking (tuc) sign C0562 V3 Cos6 2 Cos 30 .. 0 2 30 1. Sz seco + 2 20 un seco 2 -2 07, SCCO 2 - 52XXX 07 SCC0 = - \si2 (-45') Mere, seco = -ve, 0 lies in 2nd and 3rd guadrant. 0 = (180 - 45') = 135° 07 Cosco 2 -063 -2 ... or, The value of a is not possible within o' < 6 < 180

2.	Solve: (0' < 0 < 180')
77	10 m T 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
ra.	45in6 c 3 (osc(0
THE ST	on using a 3 1
	SING
	on usino 2 3
	03 Sing 2 \34
	on sin a c + \square
	or, sinb 2 sinbo (+ ve only)
	@ 2 60°
	0 is tre, Su,
	0 2 (180 - 60) 2 120
	6 2 60, 120'
b.	45in 6 -8 (056 + 126 (0520 2 Sin 6
	Solution:
	C0520 2 Sino
	on 1-25in20 2 5in6
	on Sino + 25120 -1 20
:	07 2 sino + sino -1 20
:	on 2 sino f (2-1) sino - 1 = 0
	oy 25in20 + 25in0-5in0-120
	on 25ino (sino +1) -1 (sino+1) 20
·	07 (25ino-1) (Sino +1) 20
	Either
ا ا	2 sin6 -1/20 Sin6 +1 20
	07, Sin 6 2 1 07 Sin 6 2 -1
·	
	: 0 = 30' 90'
	(mot possible)

	Date: Page:
	As, 0 is (tvc), it lies in 2rd quadrants
	or, 0 2 (180 - 30') - 150'
<u>с</u> .	Sin26 - sin6 0
	01 2 sino. coso - sino 20
	or, sino (2000-1) e 0
	07 7 (056-126
	, T
	or (056 z 1 2
	or, Cos6 e Cos 60' 2Mm 3 3035 10
	.'-0 z 60'
7	Tano - sino 20
	07 Sino -sino 20
	(050) TANK-0)
	or, sin6-sin6-(056 20 or, 3-Tan26=2
	Coso
	on sino (1-(056) 20 or, 3-Tano 2 2 Tano
	on 1-6050 20 or, Tan 6+2Tan 0-3 20
	on Coso 2 1 or, Tan 20 + 3 Tan 6 - Tan 6 - 3 2
	or COSO 2 COSO 04 (Tanot3) (Tano-1) 20
	-: 6 2 0' ok Either ok
	Tanba 1
	(Not possible) or, Tano : Tano
	10
	E DATE ON SU TU
	Landarity von
	5'41 -00 41)

Ç.	Tano + coto = 2
	or Tano + 1 22
	Taho
	on Tano +1 = 2
	Tano
	or, Tan26-21an6+120
	07 (Tano-1)2 e 02
	or, Tano -120
	or, Tano 21
	or, Tanb e Tan 45'
	.'.0 2 US
g .	Seco. Tanb zvz
2	on 1 - Sin 6 2 \square
	(056) (050
	or, Sinb 2 \2 (0526
	on 52 (0526 - sin6 20
	or, V2 (1-sin20) -sinb20
05 8	- 10 NZ - VZ sin26-sin6 = 0
	on 52 sin20 tsinb -52 20
(1-	0, V2 sin26 + (2-1) sin6 - 52 10
	on 52 sin26 + 2 sin6 - sine - 52 20
2 Jus	on 52 sino (sino +52) -1 (sino +52) 20
a time!	or, (sinb + v2) (v2 sinb-1) co
D I D	Gibber
	Sin6 +52 20 \$25 52 sin6-120
	on sino 2 - V2 on sino 201
	CImpossible) 1/2
	On sinbe sinus
	6 e 45°
	Also, 0 = (180'-95') = 135°
-	

- 11	
h.	Cosecco - 2 sino 21
	on 1 - 2 sin6 = 1
	Sino Sino
ÇĀ,	or, 1 - 2 sin 6 e sin 6
	on 2 sin20 + sin0 - 1 20 11
	on 2 sip26 + (2-1) sin6-1 20 100
	on 2 sin26 + 2 sin6 - sin6 - 120
	07 2 sino (sino +1) -1 (sino +1) (20) ENIE
	on (sino +1) (2 sino -1) 20
	Either OR DEMIE DEMIE
	Sino + 1 = 0 2 sino - 1 20
	on since = -1 or, sind 2/1
	on sin 6 2 - singo
	6 2 90' on Sin6 2 Sin 36'
	Also, :. 0 2 30'
	OE Also, The Asset of
	0 2 (180'-30') 2 150'
	451112 32 43-3 2020 48 F 10 ale 8 10
j.	sin6 - cos6 20 j. V2 + 2 20
	on 5186 2 (056
	or sino = 1
	(050 C050
	or, 7an 6 2 1.
	on Tan 6 2 Tan 45' or, Cos6 2 - 52
	0 2 45°
	or, 656 2-1
	30/- 10/1
	00 00 COS O E - 45
	Also, 0 c (180'-45') · 135'
	Q e (180 - 13) 1 1 2

	Page:	
k.	Cos70 2 (os6- sin46	
	07 Coso - costo = sinuo	
	07 2 Sin 0+76 · Sin 76-0 = Sin46	
	2 2 3000 5000	
	or, 2 sin 40 · sin 36 = sin40	
	or, sin 30 2 sin 40	_
	2 sinub	_
	on sin30 c 0.12 11 stell - (14 onie) onies vo	
	2 0 = (1 - 0 yie s) [1+ 0 Hiz) 10	_
	or sin30 2 sin36	
	or, 30 2 30's 1	
	0,0210	
	As, Oztve	
	0 c (180-10) c 170/2	
	00 5 2) .	
١.	Sing + sinzo +sin30 =0	
	or, Sino + sin 30 = - Sino	
	or, 2 sin 0+36 · (056-36 z - sin20	
	2 2 2 3 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	i
	or, 2 sin 20. coso e - sinte-sin20	
6	or, Cos6 2 - Sin26	
	2 sin 2 6	
۵	= 021;5 (0y Cos6 2 -1	_
	7 - 0-07 10 - 10 - 10 - 10 - 10 - 10 - 1	
	04, (0562 - (0560	
1	.'. 0 e-60	_
	As, 0 = -ve	_
2.7	Also, 0 z (180-60) 2 120	_
		=

-	
	Creative Section:
3.	Solve: (0' 5 10 5 360')
	- of old (of end) - d
Q٠	7 sin20 + 3(0520 - 4 20
	on 7 sin26 + 3 (1-sin26) - 4 = 0
	on 7 sin20 + 3 - 3 sin20 - 4 = 0
	or, 4 sin²0 - 1 20
	07 Sin20 21
	4
	on sing 2 + Jy
	251 2 Or, Sino /2 ± 1 1
	2 ((18 0) 18) (21) (21) (21) (21) (21) (21)
	on sina = sin30
	:.0 = 30
<u> </u>	Taking (-ve)
	0 c (180 - 30) c 150 0 c (180 + 30) c 210
	Also, 0 2 (360-30) < 330
	With the Without the Without the Aller Andrews
b	Usin26 - 8 coso +1 20
	or, u(1-6526)-8 (050 +1 =0
	on 4-4 cos20-8 coso +1=0
	07 4 Cos26 + 8 Cos0-+5 = 0
	or, 4 cos20 + (10-2) (056-4520
	09 4 (050 } 10 (056 - 2 (050-15 20
	0,2056 (2050 45)-1 (2050 45) 0
	or, (2(05675) (2(050-12-1) e0
	Either
	Coso · -5 2(050 · 1
	or, (056 2 1 (cos 60)
	(Impossiple)
	.: 6 = 60, Also, 600 (360-60) = 300

```
C0520 - Sino 21
                    0 = 3 1 01 3 - 19
                    21 2010 2 61-2522 12
 or 1-Sin0 -sin6 = 1
                    D 3/ 4000 4 - 250 100
                  5 56 5 5 (HS) - NOC 13
 or, 4 - 4 sin20 -4 sin0 = 1
  or, Usin2 + Usin6 - 3 20
  on Usino + (6-2) sino - 3 =0
  or, usinto + 6 sino - 2 sino - 3 20
  or, 2 sin 6 (2 sin 6 + 3) - 1 (2 sin 6 + 3) + 0
  on (25in6+3) (25in6-1) 20
   Either Of OR
  2 sin 0 + 3 2 0 2 sin 0-1 = 0
 on sinbe-3 de on sino el
                        30 - ( 0+ 46) + a
   (Impossible)
                   : 0 2 30 ( ) - 02 E)
                   As, 0 = tre
                     Q = (180 - 30') (150'
2 sin20 + 3 cos6 = 3
on 2 (1-(0526) + 3(050 = 3
 or, 2-2(050+3 cos6-3=0
 07 2 (056 - 31056 +1 =0
 07, 2 COS20 - (2+1) COSO+120
 07, 2(050 -2(050 - (050+126
  07, 2(056 ((050-1) - 1 ((056-1) 20
  or, (coso-1) (2 coso-1) 20
   Either
  Coso -120 2000 -120
   or, coso = 1 (coso) on coso = 1/2 (cos60)
   · 0 2 0°
                0 2 60
 Also, 0 = (90+0) = 90
                 Also, 0 . (360 - 60) 2 300
```

t.	Tan20 - 3 seco + 3 =0
	or 5cc20-1+3-35000 20
	or, see26 - 3 see6 + 2 2 0
	on seco - (2+1) seco +2 20
	C-20-2-Seco +2 20
	(0-10-2)-1(6-10-2)20
	or, (seco -1) (seco -2) 20
	Eigher
	Seco-120 Seco-220
	or, seco 2 1 on seco 2 2 (Impossible)
	or, seco = seco on seco e seco
	:.020 :.0260
	As, 0: tre Also, 0: \(\frac{180-}{360'-60'}\) = 300'
	0. (9070).90
	0 z (360-0).360
<u>s</u>	1 + (050 = 2 sin20
<u></u>	or, 1 + cos6 = 2 (1-(050)
<u></u>	or, 1 + cos6 = 2 (1-cos0) or, 2 - 2 cos20 = 1 + cos0
<u>3</u>	or, $1 + \cos \delta z = 2(1 - (\cos \delta))$ or, $2 - 2\cos^2 \delta = 1 + (\cos \delta)$ or, $2(\cos^2 \delta) + (\cos \delta) - 1 = 0$
<u></u>	or, $1 + \cos z = 2(1 - \cos z)$ or, $2 - 2\cos^2 z = 1 + \cos z$ or, $2(\cos^2 z) + (\cos z) = 1$ or, $2(\cos^2 z) + (\cos z) = 1$ or, $2(\cos^2 z) + (\cos z) = 1$
<u></u>	or, $1 + (\cos 6 z 2(1 - (\cos 6))$ or, $2 - 2(\cos^2 6 z 1 + (\cos 6))$ or, $2(\cos^2 6 z 1 + (\cos 6) - 1 z 0$ or, $2(\cos^2 6 z 1 2 - 1)(\cos 6 - 1 z 0)$ or, $2(\cos^2 6 z 2 1 2 1 2 0)$
<u></u>	or, $1 + \cos \delta z = 2(1 - (\cos \delta))$ or, $2 - 2\cos^2 \delta = 1 + (\cos \delta)$ or, $2(\cos^2 \delta) + (\cos \delta) - 1 = 0$ or, $2(\cos^2 \delta) + 2(\cos \delta) - (\cos \delta) = 0$ or, $2(\cos^2 \delta) + 2(\cos \delta) - (\cos \delta) = 0$ or, $2(\cos \delta) + 2(\cos \delta) - 1 + (\cos \delta) = 0$
<u>3</u>	or, $1 + (056 z 2(1 - (050))$ or, $2 - 2(05^20 z 1) + (050)$ or, $2(05^20 z 1) + (050 - 1 z 0)$ or, $2(05^20 z 1) + (050 - 1 z 0)$ or, $2(05^20 z 1) + 2(050 z 1) + (050 z 1) z 0$ or, $2(050 z 1) - 1(050 z 1) z 0$ or, $2(050 z 1) (2(050 z 1) z 0)$
<u></u>	or, $1 + (0 \le 6 \ge 2(1 - (0 \le 6)))$ or, $2 - 2(0 \le 6) = 1 + (0 \le 6)$ or, $2(0 \le 6) + (0 \le 6) = 1 \ge 0$ or, $2(0 \le 6) + (2 - 1)(0 \le 6) = 1 \ge 0$ or, $2(0 \le 6) + (2 - 1)(0 \le 6) = 1 \ge 0$ or, $2(0 \le 6) + (2 - 1)(0 \le 6) = 1 \ge 0$ or, $2(0 \le 6) + (2 - 1)(0 \le 6) = 1 \ge 0$ or, $2(0 \le 6) + (2 - 1)(0 \le 6) = 1 \ge 0$ Ox $(2(0 \le 6) + 1)(2(0 \le 6) = 1) \ge 0$ Cither
<u></u>	or, $1 + (056 z 2(1 - (050))$ or, $2 - 2(05^20 z 1) + (050)$ or, $2(05^20 z 1) + (050 - 1 z 0)$ or, $2(05^20 z 1) + (050 - 1 z 0)$ or, $2(05^20 z 1) + 2(050 z 1) + (050 z 1) z 0$ or, $2(050 z 1) - 1(050 z 1) z 0$ or, $2(050 z 1) (2(050 z 1) z 0)$
<u></u>	or, $1 + (0 \le 6 \ge 2(1 - (0 \le 6)))$ or, $2 - 2(0 \le 6) = 1 + (0 \le 6)$ or, $2(0 \le 6) + (0 \le 6) = 1 \ge 0$ or, $2(0 \le 6) + (2 - 1)(0 \le 6) = 1 \ge 0$ or, $2(0 \le 6) + (2 - 1)(0 \le 6) = 1 \ge 0$ or, $2(0 \le 6) + (2 - 1)(0 \le 6) = 1 \ge 0$ or, $2(0 \le 6) + (2 - 1)(0 \le 6) = 1 \ge 0$ or, $2(0 \le 6) + (2 - 1)(0 \le 6) = 1 \ge 0$ Ox $(2(0 \le 6) + 1)(2(0 \le 6) = 1) \ge 0$ Cither
<u></u>	or, $1 + (0 \le 6 z 2(1 - (0 \le 6))$ or, $2 - 2(0 \le 6 z 2(1 - (0 \le 6)))$ or, $2(0 \le 6 z 2(1 + (0 \le 6)))$ or, $2(0 \le 6 z 2(1 + (0 \le 6)))$ or, $2(0 \le 6 z 2(1 + (0 \le 6)))$ or, $2(0 \le 6 z 2(1 + (0 \le 6)))$ or, $2(0 \le 6 z 2(1 + (0 \le 6)))$ or, $2(0 \le 6 z 2(1 + (0 \le 6)))$ or, $2(0 \le 6 z 2(1 + (0 \le 6)))$ or, $2(0 \le 6 z 2(1 + (0 \le 6)))$ or, $2(0 \le 6 z 2(1 + (0 \le 6)))$ or, $2(0 \le 6 z 2(1 + (0 \le 6)))$ or, $2(0 \le 6 z 2(1 + (0 \le 6)))$ or, $2(0 \le 6 z 2(1 + (0 \le 6)))$ or, $2(0 \le 6 z 2(1 + (0 \le 6)))$
<u></u>	or, 1 + (056 z 2 (1 - (050) or, 2 - 2 (050 + (050 - 1 20) or, 2 (050 + (050 - 1 20) or, 2 (050 + 2 (050 - 1 20) or, 2 (050 + 2 (050 - 1 20) or, 2 (050 (050 + 1) - 1 (050+1) 20 or, (050 + 1) (2 (050 - 1) 20 c) ther or, (050 2 - 1) or, (050 2 - 1) or, (050 2 - 050) - 0 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
<u></u>	or, $1 + (0 \le 6 z 2(1 - (0 \le 6))$ or, $2 - 2(0 \le 6 z 2(1 - (0 \le 6)))$ or, $2(0 \le 6 z 2(1 + (0 \le 6)))$ or, $2(0 \le 6 z 2(1 + (0 \le 6)))$ or, $2(0 \le 6 z 2(1 + (0 \le 6)))$ or, $2(0 \le 6 z 2(1 + (0 \le 6)))$ or, $2(0 \le 6 z 2(1 + (0 \le 6)))$ or, $2(0 \le 6 z 2(1 + (0 \le 6)))$ or, $2(0 \le 6 z 2(1 + (0 \le 6)))$ or, $2(0 \le 6 z 2(1 + (0 \le 6)))$ or, $2(0 \le 6 z 2(1 + (0 \le 6)))$ or, $2(0 \le 6 z 2(1 + (0 \le 6)))$ or, $2(0 \le 6 z 2(1 + (0 \le 6)))$ or, $2(0 \le 6 z 2(1 + (0 \le 6)))$ or, $2(0 \le 6 z 2(1 + (0 \le 6)))$

N/		J.M. V. III.
		Page:
h.	Sin26 - 2 cuso + 1 = 0	1.0 (-1 (4)) 1.01
	on 1- cos20-2 (050 +1	1.4 = 1,0 = 1 1 1 1 1 1 1 1
	4	
	or, 4-40050-8(050+120	1 + 1/01 eV + 0/100 100
	or, 4(0520 + 8 (050 - 5 = 0	
	or, 4 cos20x (10-2) (050-520	1- 6 (eltala) aton 10
	or, 4 cos26 + 10 cos6-2(050-5 =	
	or, 2 (056 (2 cos6+5)-1/2 (0	
	04, (2 (050 +5) (7 (050-1) =	0
	Either	1 20 10100
	C056 2-5 C056 e	1 26 to 2 - 1 3 fo 3 you
	25/2 (22-25/2-32	2 021=(00 121) 0
	(Impossiple) on cos	6 z (0560
	-:-0	260 1 (2241)
	As,	O is positive
	0-1-2002	(360-60) = 300
		- with the first of the first o
, t	3 cos20-1 2 2 sin20	1417
	3 (1-Sin26)-1-1-25in26=0	3 (0526-1 = 2 sin26
	or, 3-3sin6-1-2sin2620	073(0520-122(1-(0526)
	or, 2-55in26 20	on 3 (0520-1-2+2(0500 c0
	or, 55in20 2 2	07 5 (050-320
	on sin6 = \(\sqrt{2}/5	01 5 (050 2 3
	1. Sin6 2 13/5	04 C0526 2 3
	(No. Solution)	3
		01, 6056 2 53/5
		Cho solution
		11 (2 3 1) + 3 //3 1 3 1 .
	Se E - SOATe F	- was I bear & we

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6. Cot20 + (53 + 1) Cot0 = -1
  on Cot20 + V3 cot0 + 1 Cot0 + 1 20
   on cot26 + \sum 3 cot6 + 1 cot6 + 1. \sum 3 = 0
   or, coto (coto trs) + 1 (coto trs) = 0
     (coto +53) (coto + +53) 20
       Either
                       . OR
                        Coto 2 - 1/53
       Coto = -53
                        on cot6 = - Cot 60
      on coto 2 - Cot 30
                           - 6 = (180 - 60) = 120
0 = (360 - 60) = 300
      : . 0 = (180-30) = 150
      PISO, 360-30 = 330
k. Tan20 - (1+53) Tan6+53 = 0
  on Tano - Tano - 53 Tano + 53 20
    or, Tano (Tano-1) - 53 (Tano-1) 20
    or. (Tanb-1) (Tanb-53) 20
                     ok
       Either
    Tano-1=0
                        Tano-53 20
  07 Tan 6 = 1
                         on Tang 2 53
  -: 6 2 45
                        --6 2 60
   Also, Also,
   Q = (180745') = 0 = (180'+60')
      = 225
                           - 240
  3 Tano + 253 Tano - 3 20
   or, 3 Tano + (353-53) Tano- 320
   on 3 Tang + 353 Tane - 53 Tane - 3 20
   on 3 Tano (tanotus) - 53 ( Tanotus) =0
```

/	
	or (Tan 6 + 53) (3 Tan 6 - 53)
	Either OR I
	Tano + 53 20 0r, 379n6-5320
	00 Tano 2 -53
	0, Tano 2-Tanbo
	:- 0 = 60° on Tanb = Tan30°
	Also, 0. (190-60) = 120
	0 = (360-60) = 300' Also, Q = (180 +30) = 210'
ч.	Solve: (0'<0 < 360°)
	1 - 5/ = (12 2 - 131) = 8
a.	Sinb + coso = 1
	V2
	on $\left(\sin\alpha + \cos\alpha\right)^2 = \left(1\right)^2$
	(VZ)
	or, Sin20 + 2. sin6. coso + (050 = 1
	2 1 - 1 08 11 - 0 11 - 0 5 11 0 1
	on 1 + to sinzo = 1
	2 0 d a re 10 d a 1 - 0 d a 1 0 m m m
	or, Sinz6 2 1 -1
	2 / 1/1/2 N = (0 = 0) n. 2
	on sinz6 = -1
	7_
	on Sinzo - Sin (180 + 30)
	07, Sinzu = Sin 210
	or, o : 210
	21/10/2011 25/11/2011
	0 - 1057 6 011 TS - 12
	Also, sinzo e sin (360-30)
	.:0165
	Also, 6 2 (180' +105') 2 285'
	10 - 200 - 100 - 200 + 1

1	sino + coso e V2
b	ory (sin 6 + (050) 2 (52)2
	or, sino + 2. sino. coso + coso + coso + 2
	or, 1 + Sin20 22
	$07 \sin 20 = 2-1$
	or, Sinzo 2 1
	07 Sinzo = Sin 90
10	07 51020
	or, 0 2 45°
	As, 0 = tve
	0 c (180'-45') = 135'
-	
<u> </u>	J3 sino - Coso = V2
	Solo - Coso - VZ
	or, 53 . sinb - 1 cos6 = 52
	2 2 2
	or, Cus30. Sinb-Sin30. Cos6 c 1
	V2
	on Sino.(0530 - (056.5in30 2)
	104 Jill 10 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
	on Sin (0-30) = 45 Sin45
	or 0-30 = 45°
	1.0 = "-75."
	Also, 0 = (180-75') = 105'
	71130, 0 = (180 13) 1.103
7.	Sz seco + Tan6 21
9.	on (Jz seco)2 = (1-Tano)2
	on 2 sec26 = 1 - 27ano + 1900
	or, 2(1+ Tanzo) 2 1-27 and +7 anzo
	on 2 + 2 Tano = 2 - 2 Tano + 7ano
	0, 27920-Tano +2700 +2-1 =0
•	

	on Tan20 + 2 Tano + 1 20
	on (Tanofi) 2 202
	07 Tan6 = -1
	on Tance - Janus' of 1
	07, Tan6 2 Tan (180-45)
	on 0 = 1801-45
	21351
	Also, 0 2 (360-45)
	2315° 5 5 0 00 (5 1) 1 3 6 0 0 1 10
	J 3 - 02 0) (+ 02 0) // - 0 2 0) // - 0
e.	Sino + (056 = 1 (1000) p/ (1000)
	on (sino + coso)2 2 12 3 (s/ 100)
	on sin20 + 2 sin6. coso + cos20 = 1
	or, 1 + sinza 21
	u, Sin26 = 1-1
	on Sin20 20
	07 Sin 20 2 Sin 0
	or, 20 20°
	: 0 · 0 · 0 · 0 · 0 · 0 · 0 · 0 · 0 · 0
	Again
. '5	Sin20 2 Sin0'
201	on sinze = sin (360 +0)
	0y 26 = 360
	-'- 6 c 180'
	Also,
	Sinzo = Sino
	or, sinzo c sin (180 -0).
	or, 20 2 180
	:.6230' s s t 0 000) - 0' 00 N

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1.	Coso - 53 sino 21
	or (050-1 2 \3 sin6
	$\left(\cos 6 - 1 \right)^{2} = \left(\sqrt{3} \sin 6 \right)^{2}$
	on Coso - 2 coso + 1 = 35in 6
	Cac210-25/n26-2(056+)20
-	cos (050 - 3(1-(050) - 2(050 + 120)
	07 C0520-3+3(056-2(056+1=0
	on 4 cos6 - 2 cos6 - 2 20
	or, 4 cos26 - (4-2) cos6-220
	0, 4C050 - 4C050 +2C050-2=0
	on 4 cos6 (cos6-1) + 2 (cos6-1) 20
	or, ((050-1) (4(050 +2) 20
	Eigher GR
	Cos6-1=0 $4(os6+2=0)$
	on Coso 2 1 07 Coso 2 - 2
	οη Coso 2 (oso
	= 0 2 0 0 00 C050 2 - 1/2
	10 2 (360-0') = 360 : 0 = 60
	Also, 0 = (360-60)
	Also, 6 . (180-60) - 120
	0 2 (180 f 60) 2 240
5.	53 Coso 7 sino 253.
	on $(\sqrt{3}(056-\sqrt{3})^2 = (-\sin 6)^2$
	or, 15,3 (056-6006+3 = 5)126
	07, 3 (0520 - 6 C050 +3 2 1- C056
	09 3 cos20 - 6 cos6 +3-1 + 6050 =0
	on 4(0526 - 6 Coso + 2 20
	on 4 (050 - (472) (050 + 2 20
	0, 40050 -40000 -2000 +2 e0

