



= 33 VSIN200 (3 - 51 n200)

= \$3 7 (33111206-45111200)

= 53 / (51n3(762)

1.10

1700

401

= 13, 51'nGoox 100133519 347 (3)

= 53 7 53 7 1

= 3 x 1 (4-Tra ) dria 5

= 3

5/120° Sin40° Sin60° sin80°= 3/16.

(a) If sint truser = 2 then Sing + ruser ois

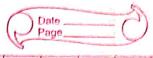
equal to:

solytron:

Given. Sing toser b=2Squaring on both sides

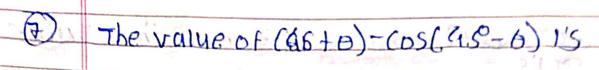
(sing toser) = 2

sino + cuseco Tesino coseco = 4 Sino trose26+2=4 Sin at cosecto = 4-1 Sinot cosec 6 = 2 The Coppession 3[sin4(311-2) +sin(311+2)] - 2[sin911+2] + sinf(sit-2)] is equal to Solution: 5104 (311-2) = (05/2 sin4 811-d)= sin4 sin6(1+2)= (0562,5m6(511-2)=517)2 =3[10542+sin42)-2[1052+sin62] 3[1-251n 2 tos2]-2[1-851n 2 1082 - 3-2



6	ZF 2c= cos160 cos260 cos460 then the vulue
	of 2015
solution	Given: 20= Cosio Cos20 Cos Go
F. 4 14 1 2	2 Sin 10 COS10 COS40
	25in10
A7 1 1.1	CI CO
Y C	= 2(Sinzo Cosza) Cos 40
	$9\times2\times31n10$
- N	a seed a series in the series
SELLOCK STATES	= 25in40 C0540
dill in the second	2×2×251110
	= 61080
P	= 51080 851010.4.30)201- (3+3)102
	= Sin(90-10) (Sin(90-6) = cost)
	8 SIDIO.
1 - 1/2 -	- Land - Week of party De 120 LANGE E
CARP	= <u>Costo</u>
4-	851NO 111103 31 500 4001050
A Tender L	
4. 7 v.	- x 60510
À d	$= \frac{1 \times 60510}{8 \sin 10} = \frac{11 \times 60510}{11 \times 60510}$
84	
J	= 1 x co+10°.
1 4	= 18000000000000000000000000000000000000
	L. D
	gc=1 cotlot





Solution: Sin(45°+0)-cos(45°+0)=(51045°CO5+0+CU54551'nd)

E cos45° cos6 + 51'n 45° sin6)

= 1 cos6+1 Sin6 - 1 cos6+1 sin

= /cosot /sino-/coso + sin

= 0

Sin(45°+0)-(05(45-6)=D

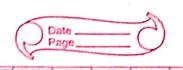
(8) It sinxtrusy = a and cosxt siny = b then

tan ry is equal to

solution: > 2

 $sin x + sin \left(\frac{1}{2} - y\right) = a$ .

COSSC+ (OS(II-4) = b



251n 201(11/2)-y CDS 20-(11/2)+y=0.

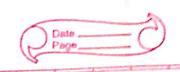
2005 (201+(11/2)-2 cos 20-(11/2)19 = 6

 $\frac{\tan(\pi + x)}{a} = 9$ 

1+ Han 21-2 9 1- Han 21-2 b

> 8-7/2 = 9 8-7/2 b

tan 2-1 - a-b
2 ath.



1) (1) 2+ cosx - cos(20+6) - cos(20+26)=cos(21+36)

then atc 15 equal to

solution:>

Let cosx - (05(20+6) = (05(20) = (05(20) = 1

a= Krosa, b= Krosa+6) c= Kros(2+26)

d= K(05(2+30)

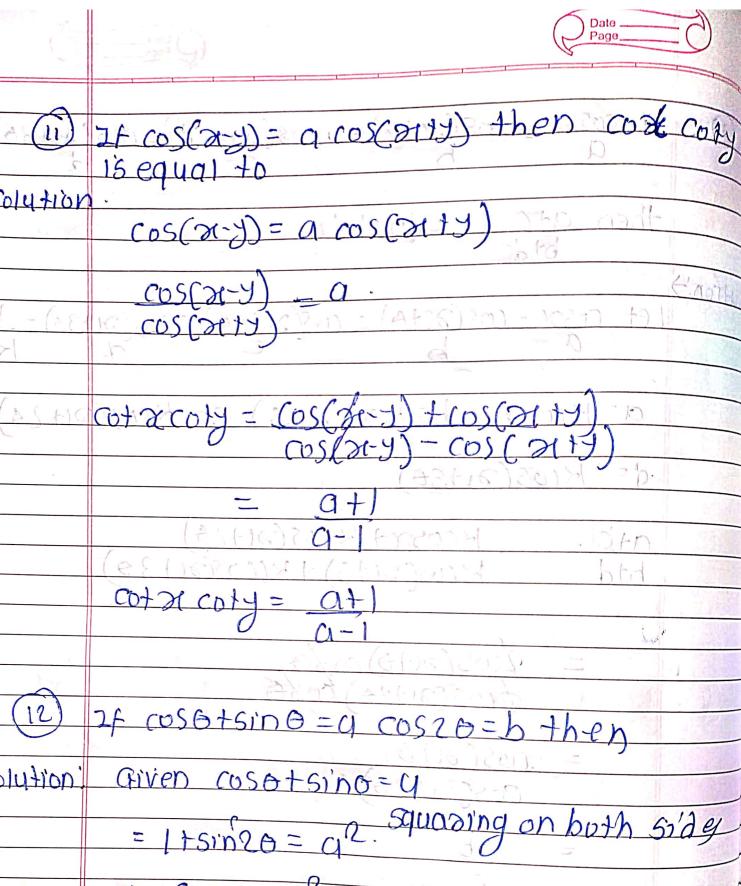
0+c - KCOSX+KCOS(21+26) btd KCOS(21+6)+KCCOS(21+30)

> = 105(20+0)0080, 2005(20+20)0080

= (05(21+6)

COS(20120)

ath = b



2f cosotsino = 4 coszo=b then

Given cosotsino=4

Itsin20 = a2. Squading on both side

51n20 = a=1

(0570 = 1-(Q-1)2

= b= a(2-a)

15 equal to

COS(21-y) \_ a.

COS (2014)

Solytion

Let ocacit then (Secron-tonza) equel (16) lution's Secra-tanza = COSTA COSTA (cosx-sint Closa-Sina) (cospolina (cos7x-sinx) 1-tanx It tanac. secrac tanzat tan (tt-20

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4			
سنمنذ			
سر			
		9	
		7	
		1 0	TO LEA OLOK IT FROM [SON 25 - FOM 23] POES
سبب		<i>i.</i>	
سنب	n		
سبب	,,,		TOTAL
	3 11		
		(18)	Secretaring = Singre
		(10)	2+2+B=II and B+y=& the tand equal
		<u> </u>	
		Solutin!	in the contract of the contrac
			Given 2+B=IT B+y=2. 2=# 1
			2 10
			= 10112 - 10
		( Veri	in laceon tand = cotpos fand tan B= 1
			Sind Carry
			B+4=1-0×4=1-B-
			P+y=20xy=2-B=
7	П		land-land Company
4	Ш		tany=tang = fang-tang  Ettandtung 2
_			transtang 2
4-	4_		- Michael Control
4			tand= tanB+2tany
200			
		•	