Q 3 fm2x - Smx wxx - 4ws2x=0 make quedrotic in tonx pivide by cos2x NEI



$$Q = 2 \sin^{3} 2x + 6 \sin^{3} x = 5$$

$$2 \sin^{3} 2x + 6 \sin^{3} x = 5$$

$$2 (1 - \omega)^{2} 2x) + 6 (1 - \omega) 2x = 5$$

$$2 = (2n^{4})^{\frac{3}{4}}$$

$$2 - 2\omega s^{2} 2x + 3 - 3\omega s 2x = 5$$

$$-2 \omega s^{2} 2x - 3\omega s 2x = 6$$

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$$-3 \omega s^{2} 2x -$$

Q (1-teno) (1+ sm20) = 1+teno

$$sm20 = 2teno$$

 $(1-teno)$ (1+ $2teno$
 $(1-teno)$ (1+ $teno$) = 1+teno
(1-teno) ($teno$) = 1+teno
 $teno$) = (1+teno) = (1+teno)
 $teno$) = (1+teno)

$$(1-tano)(1+tano) = 1+tano$$

$$1-tano = 0$$

$$0 = n\pi$$

$$n \in \mathbb{Z}$$



Q
$$5+\tan^{4}x - \sec^{4}x = 29$$

 $\sec^{2}x = 1 + \tan^{2}x$
 $\sec^{4}x = (1 + \tan^{2}x)^{2} - t = -\frac{5}{2}, 3$
 $\cot^{4}x + \tan^{2}x = t$
 $\cot^{4}x + \tan^{2}x = t$
 $\cot^{4}x + \tan^{4}x = -\frac{5}{2}$
 $\cot^{4}x + \cot^{4}x = 29$
 $\cot^{4}x + \cot^{4}x = 3$
 $\cot^{4}x$

Q ten20 +
$$\lambda e(20 = 1)$$

See 20 = 1 - ten20

Let ten20

Let ten20

Let ten20 = 1

Let ten20 = 1

Let ten20 = t

Let ten20 = t

NET



$$(1-t)^{2} = 1+t$$

$$t^{2}+1/-2t = 1/+t$$

$$t^{2}-3t=0$$

$$t=0,3$$

$$t=0,3$$

$$t=0,3$$

$$x= nx \pm \frac{\sqrt{3}}{3}$$

$$t=2 \times 20$$

$$x=n^{2}$$

$$x=n^{2}$$

$$x=n^{2}$$

$$x=n^{2}$$

Q find general holusion

COJYX + 6 = 7 COS2X

Also find bum of all holusions in
$$[0:314]$$

COJYX + 6 = 7 COS2X

COJYX + 6 = 7 COS2X

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(1)
$$6032x = \frac{5}{2}$$
 (2) $6036x = 1$

$$2x = 2nx$$

$$x = nx$$

$$x = n$$

09 Aind general Yalue of x
$$2\omega s^2x + 4\omega sx = 36\pi^2x$$

$$2\omega s^2x + 4\omega sx = 3(1-\omega s^2x)$$

$$5\omega s^2x + 4\omega sx - 3=0$$

$$\omega sx = t$$

$$5t^2 + 4t - 3 = 0$$

$$56^{2} + 41 - 3 = 2$$

$$+ = -4 + \sqrt{16+60}$$

$$+ = -2 + \sqrt{19}$$



CL-01

SLUTION CHECKING a 8mx + 8m2x =0 8mx + 28mx 60x =0 Smx(2005× +1) =0 8mx =0 or cosx = -1 X= nx or X= 2nx+ 35 ne I



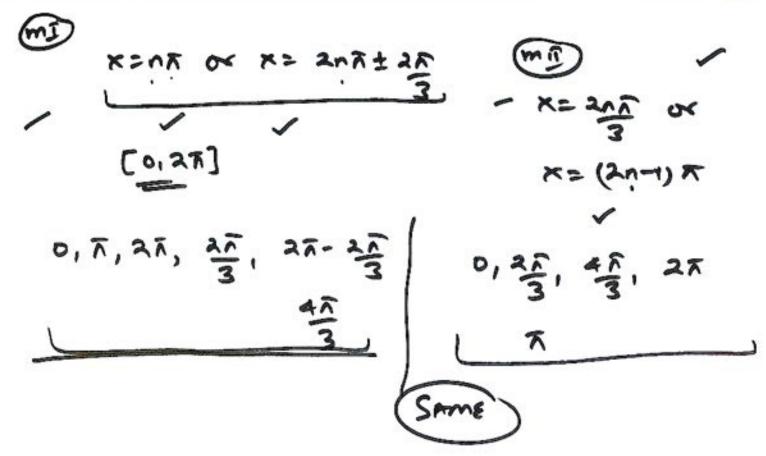
$$8mx + 8max = 20$$
 $28m3x = 20x = 20$
 $8m3x = 20$
 $3x = 10x$
 $3x = 10x$
 $3x = 10x$
 $3x = 10x$
 $3x = 10x$

$$x = 2n\hat{n}$$

$$x = (2n-1)x$$

$$n \in \underline{r}$$





Trigonometry Equation & Inequalities CL-01

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Trigonometry Equation & Inequalities CL-01

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(m)

$$605^{2} \times + 605^{2} 2 \times = 1$$

$$2605^{2} \times + 2605^{2} 2 \times = 2$$

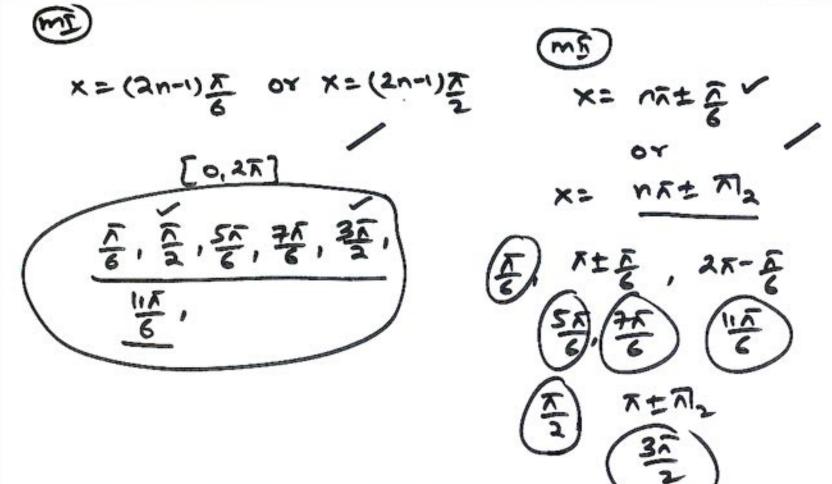
$$1 + 6052 \times + 2605^{2} 2 \times = 2$$

6032×== スペニ スパラナ 至 X= mit 5 COURX = -1 スメニ スハメ士ス K= NTI 7/2 n6-2

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HOWE WALK CLUBAL	H	owe	WORK	CLASS 年1
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BB #5	1,2,5,6,	
BB#G	1,2,3,5	
14×3	18, 19,20	
Ex#2	13,15,16,17	
ロサコ	7	
EX 4A	10,15,17 Numerical type - 1	
EXYB	3	
5×#5	4	