TRIGONOMETRIC EQ. TUTORIAL

lg 27	1, 2,3
	6, 8
Pg 28	2, 4,5
Pg 37	
Pg 38	2,4,5,7,11,13,14,15
	3,5
19 39	1,2,3,4
Pg 42	, , ,

Pg 27 Cos32 = 0 6053xz 605 X losx - 2 Sm2 = 0 2682=1 605x = 1 Cosn = CosT

Cosx = 0 Cuguz los x 3x=2nx + x N=2mx ± ▼ 2 $\chi = \frac{1}{2} \left(2n \chi \pm \frac{\chi}{2} \right)$

Cosx - (1-losx) = 0 X=2nx ± x

(3) Sinzx = S2 6 SX 28m losa - Sz losa = 0 S26052 (525mn -1) = 0 67 Sima = 1/2 65x =0 Losne los x Sinni = Sin A ルニマハスナス N= nx +(-1) 1

$$\frac{328}{3000} = \frac{36520 - 2\sqrt{3} \sin 0 \cos 0 - 2\sin^2 0}{36000} = 0$$

$$\frac{36000}{36000} - \sqrt{3} \sin 20 = 0$$

$$\sqrt{3^2 + (3)^2} = \frac{3}{\sqrt{3^2 + (3)^2}} (\cos 20 - \sqrt{3} \sin 20) = 0$$

$$\sqrt{12} (\cos 20 - \cos 20) = 0$$

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$$\sqrt{12} \left(\cos \left(\frac{x+20}{20} \right) \right) = 0$$

$$\left(\cos \left(\frac{x+20}{20} \right) \right) = \left(\cos \frac{\pi}{2} \right).$$

$$x+20 = 2\pi\pi \pm \frac{\pi}{2}$$

$$20 = 2\pi\pi \pm \frac{\pi}{4} - x$$

$$0 = \pi\pi \pm \frac{\pi}{4} - x$$

Solve tan 0 + tan 20 + tan 0 tan 20 = 1

tan 0 + ton 20 = 1 - ton 0 ton 20

tano + fazo 1 - tan 0 tan 20

tan 30 = tan 7

 $30 = nx \pm \frac{\pi}{4}$

 $0 = \frac{n\pi + \pi}{3}$

Sinn + Sinsx = Sinzx Pg 37

2 Sm2n Cosn = Sinzx OEX EZX

Sinza (2605x-1) = 0

or lesx = = Sm22 = 0

65x = 65 \$

2x = nx コーカボ

スニマハスナスラ

 $\chi \Rightarrow \chi = 0$ $\frac{\pi}{3}$

M=1 2x-x

= 5 1

x=>n=6 m=2 x

n=4 2x.

650 + Sm0 = Cos20 + 8n20 loso-loszo= Sinzo-SinQ. 25m30 Sm0 = 260530 GARDO 2. - Cos 30 7 = 0 Sing & Sin 30 Sm30 = 6830 Sin 0 = 0 $\frac{1}{2} = \frac{1}{2}$ $\frac{1}{2} = \frac{1}{4}$ $\frac{30}{2} = \frac{1}{4}$ 0= nx 0= 2nx. の一号(かべナ茶)

(3) $\tan 0 + \sin 20 + \tan 36 = 0$ $\tan 0 + \tan 20 + (\tan 0 + \sin 20) = 0$ $\tan 0 + \tan 20$ $(1 + 1 + \cot 0) = 0$ $(\tan 0 + \sin 20) = 0$ $(1 - \sin 0 + \sin 20) = 0$

$$(\tan 30)(\tan 0 + \cot 20 - 2) = 0$$

 $+ \cos 0 = 0$ $+ \cot 0$
 $30 = \pi\pi$
 $0 = \frac{\pi\pi}{3}$
 $0 = \frac{\pi\pi}{3}$

$$tanotanzo = 2$$

$$tano(2tano) = 2$$

$$tano(2tano) = 2$$

$$1-tano)$$

$$1-tano = 1$$

$$tano = 1$$