A dem at declient 100 (1 sind) 2 . Jan (all 1/2 HAGH South Il was 1/2 (D) / some of (4) Sin (A) at) ... win I) Croll of Containet = 2 (H) 1 (-4) (H) - 7/6 5) COS (A14) = (32/1(0) 1 - , rund reals = (3) (4) c) fan(A15) = - - 16. d) sin(A-B) = min (on B- contsins = 36.20 es cos (A-B) = cos d cos B + sul A min A = 40-13 = 33/ H fan (A-S) = _ 56 /

51nA = -3 16641 100 4 < 2200 Cos A = -4 FOGE/ a) Sin2A = 2 SinA Cos A = 2(-글)(-널) = 24b) COSA = COSA - SINDA = 16 - 9 = -2 () tan 2A = 24 7 E G V d) Sin 4 = 1/2(1- cos/1) = V = (1+4) = 1 - 97 $=\frac{3}{\sqrt{m'}}$ e) 500 4 = - // (14 CO/) =-1 = (1-4) = - 1 f) Pan 4 = - 3 (

8.1 434 On 20+ JSMO -2 =0 1-25,40 +3,2000-2=0 25,420 +3 Sind -1 =0 Sind = 1 5,00 = = 0 = 3 / 8 / 6 Sind and : sind (sind toud - 5.40 =0 5.10 (toud-1)=0 tano = 1 1 ano 100 5,40 = 0 Q = 0, T, T, 50 2 MAXCOCX + BESCX+ Panx+1=0 2 cocx (tanx+1) + (tanx+1)=0 (tanx+1) (2cocx + 1) =0 Cxx=-1. = 1 ns. tanx = -1 511X=-2 # X = 30, 70 /

(cos - x 1x2+4 CDX = X Din x = 2 / / sec (tan - 2) fam x = 2 Secx = \frac{x}{\lambda^2-4} 8.6 6 (4131,-1) y= LSMU x 2 rwso = 413 sin (-4) = 4/3 CD(-4) =-413 (=) = 4/3 (V3) -213 (x,y) = (6, -2137)

16 (-1, -15) ここ リメンナッ2 0 = /an / 3/1 13/1 = 11+3

(1,0)= (2,4)

12=8, mid - 2 cmd Z(N) = 8xsind - 2xcosu

x2+y2= 8y - 2x

U3, X+y=4 1000 + 125,40 = 4 72 (CDO + sino) =4 1 = Cost + sind

COS.Y - SIN 4x = Cos 2x Cos4_ sin4x = (cos2-sin2x) (cos2+sin2x) CODX (1) = CUS 24 v. 1- CD x = Secx - 1 1+ CDX FECX $\frac{5ex-1}{secx} = \frac{1}{corx} - 1$ CODX 3 1-CDX . CDX = 1-CDX 1+CDX = 1- Cos x 63 CRX-SINX = COXX Cotx CSCX_Sinx = 5/hr - Sinx

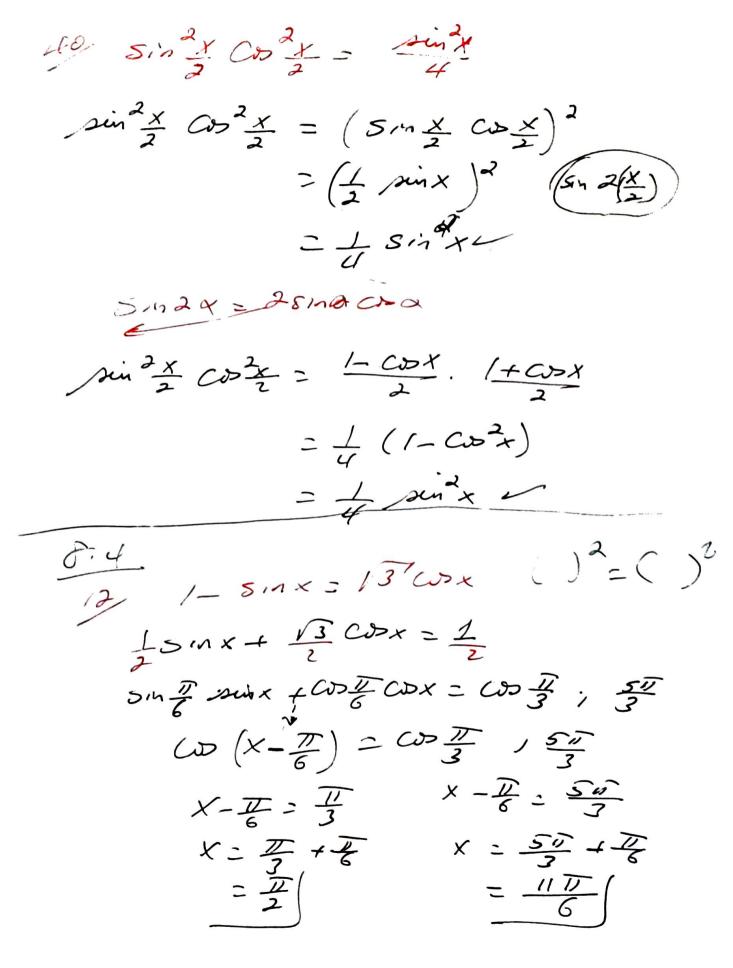
 $CSCX = Sinx = \frac{1}{Sinx} - Sinx$ $= \frac{1 - Sinx}{Sinx}$ $= \frac{Cos^2x}{Sinx}$ $= Cosx \frac{Cosx}{Sinx}$ $= Cosx \frac{Cosx}{Sinx}$

8.2. Sel(H+B) = (00 (4-B) Co24- Sin2B Sec (A+B)= 1 CD(A-B) CD(A-B) - COS (A-B)

(OSACOS) - SINASINS (COACOS) + SINASIO) Cos (A-13)____ Workers B - Sin A sin & Cos (A-B) Cos 2A (1- sin 2B) - (1-co 2A) sin B - Cos (A-B)

Cos A- Cos A sin B- sin B+ cos A sin B $=\frac{Cos(A-B)}{Cos^2A-sin^2B}$ $\frac{5in(x+y)}{5in(x-y)} = \frac{\cot y + \cot x}{\cot y - \cot x}$ $\frac{\sin(x+y)}{\sin(x-y)} = \frac{5 \cdot \ln x \cos y}{5 \cdot \ln x \sin y} + \frac{\cos x}{\sin x \sin y}$ sen & sent Sent sent = coty + cotx colx

Sin (x - 7) = 1 - cotx tang pin x Cosy sin (X-y) = sin x cosy - cosx sin y puix cong = sinx cosy Cosx sinx cosx = 1 - cotx tang. Coodx = sec2x - 2 tan2x $\frac{\cos 2x}{\cos^2 x} = \frac{1 - 2\sin^2 x}{\cos^2 x}$ $= \frac{1}{\cos^2 x} - 2 \frac{\sin^2 x}{\cos^2 x}$ = sec2x - 2 tan2x 2. $42 \quad 2 \sin^2 \frac{x}{2} = \frac{5in^2x}{1+\cos x}$ 2 sin 2 x = 2 -1-cox = (1- COX) /+ COX $= \frac{1-\cos^2x}{1+\cos x} \left[\cos^2x + \sin^2x = 1 \right]$ - 5/2x



 $\frac{30}{\cos x} + \sqrt{3} = \sec x$ $\frac{3^{1/3}x}{\cos x} + \sqrt{3} = \frac{1}{\cos x} \qquad \frac{\cos x \pm 0}{x + \frac{\pi}{2}, \frac{3\pi}{2}}$ $5 \ln x + \sqrt{3} \cos x = 1$

X = 2, 11.5