Review
$$\frac{12/9}{M} \frac{(xam 4)}{(xam 4)}$$
Who class  $12/2$ 

$$xim A = \frac{15}{17} \quad A = 02$$
Cos  $B = -\frac{12}{13} \quad B \in 021$ 

$$xim A = \frac{5}{17} \quad xim B = \frac{5}{13}$$
a)  $xim (A+B) = xim A \cos B + \cos A \sin B$ 

$$= \left(\frac{8}{17}\right) \left(-\frac{12}{13}\right) + \left(\frac{15}{17}\right) \left(\frac{5}{13}\right)$$

$$- \frac{96 + 75}{221}$$

$$= -\frac{21}{221}$$
b)  $\cos (A+B) = \cos A \cos B - xim A \sin B$ 

$$= \frac{15}{17} \left(-\frac{12}{13}\right) - \left(\frac{8}{17}\right) \frac{5}{13}$$

$$= -\frac{180}{221}$$
c)  $\tan (A+B) = \frac{21}{220}$ 

M 
$$pin(A-B)=pinAasB-cosAsinB$$

$$=\frac{5}{17}(\frac{-12}{13})-\frac{15}{17}\frac{5}{13}$$

$$=\frac{-96-75}{221}$$

$$=\frac{171}{221}$$

e) 
$$Cus(A-B)=CusAcusB+sunAsunB$$

$$=\frac{15}{17}(\frac{-12}{13})+\frac{8}{17}\frac{5}{13}$$

$$=\frac{-180+40}{221}$$

$$=\frac{-140}{221}$$

$$Cos A = -\frac{4}{5}$$

$$Cos A = -\frac{2}{25}$$

$$Cos A = -\frac{2}{25}$$

$$Cos A = -\frac{2}{25}$$

$$Cos A = -\frac{2}{25}$$

$$Cos A = -\frac{2}{7}$$

$$Cos A =$$

(1-pinx=13 cox)

[0,27]

13' CDX + sin x = 1

13 CDX + 1 puix = 1

Cos II cosx + sin II sin x = 1

 $as(x - \frac{\pi}{6}) = \frac{1}{2}$ 

 $\chi - \frac{\pi}{6} \div \frac{\eta}{3}$ 

 $X = \frac{\pi}{3} + \frac{\pi}{6}$ 

= 2

 $x - \frac{\pi}{6} - \frac{30}{3}$ 

X = 5/2 + 11

= 110

2 tanx cocx + 2 cocx + tanx+1 =0 [0,2]

2 CSCX (tanx +1) + (tanx+1) =0

(tanx+1) (2 cscx+1)=0

tan x = -1 cocx = -1  $x = \frac{377}{4}, \frac{717}{4}$  sin x = -2

$$\frac{\partial \sin^2 x - \cos x - 1 = 0}{\partial (1 - \cos^2 x) - \cos x - 1 = 0}$$

$$\frac{\partial - \partial \cos^2 x - \cos x - 1 = 0}{- \partial \cos^2 x - \cos x + 1 = 0}$$

$$\cos x = -1$$

$$x = \pi$$

$$x = \pi$$

$$x = \pi$$

$$sin x fan x = sin x (0, 27)$$

$$sin x fan x - sin x = 0$$

$$sin x (fan x - 1) = 0$$

$$sin x = 0 fan x = 1$$

$$X = 0, \overline{D}, \overline{M}, 5\overline{D}$$

$$\begin{aligned}
\text{sec} & \left( \frac{x}{\sqrt{x^2 + 4}} \right) \\
\text{cos} & \left( \frac{x}{\sqrt{x^2 + 4}} \right) \\
\text{sec} & \left( \frac{x}{\sqrt{x^2 + 4}} \right) \\
\text$$

$$(4,30^{2}) (x,y)^{2}$$

$$x = h con \theta$$

$$= 4 \cos 30^{\circ} = 4 \sin 30^{\circ}$$

$$= 4 (\frac{1}{3}) = 4 (\frac{1}{4})$$

$$= 2 \sqrt{37} = 2$$

$$(x,y) = (2\sqrt{37}, 2)$$

$$r \left(\sin\theta - 2\cos\theta\right) = 6$$

$$r \sin\theta - 2r \cos\theta = 6$$

$$y - 2x = 6$$

$$y = x$$

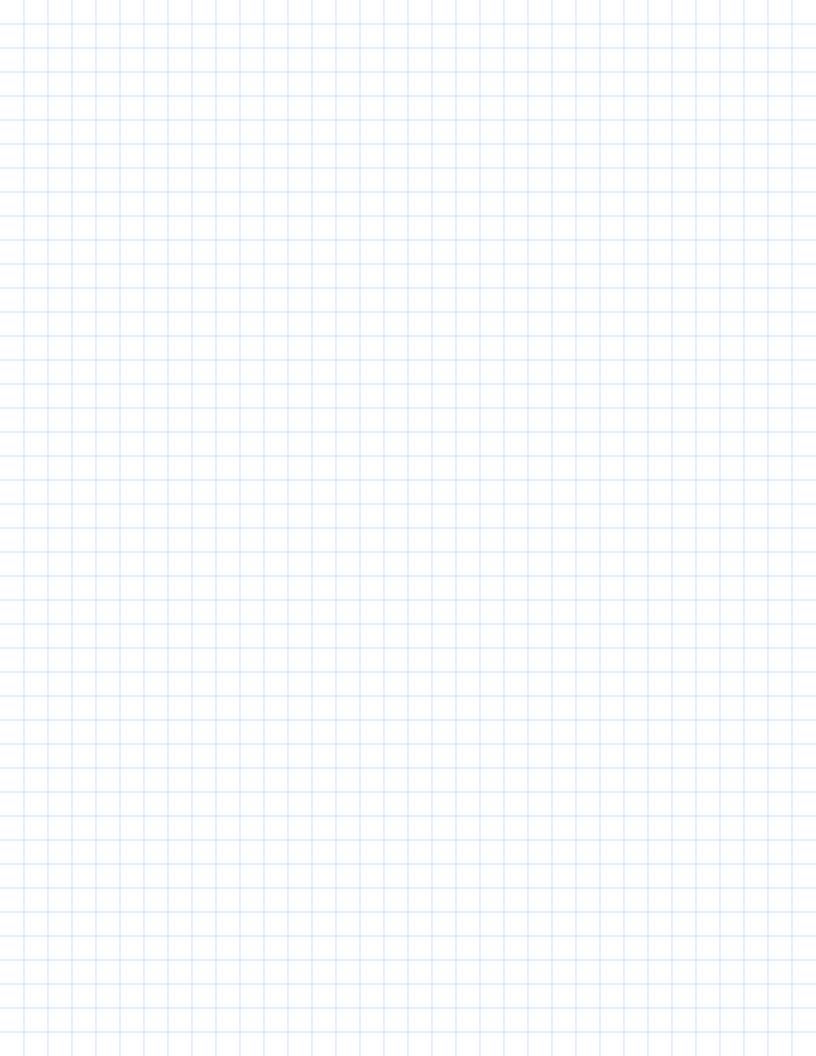
$$\left(r \sin\theta\right)^{2} = r \cos\theta$$

$$r^{2} \sin^{2}\theta = r \cos\theta$$

$$r \sin^{2}\theta = \cos\theta$$

$$r = \frac{\cos\theta}{\sin^{2}\theta}$$

a - 6 cos C + c cos B Ces A = 62,02 a2 b, cvs C+c cvs B= Cor 1 = al-set. 61 Cos C = a2 12 /cl (sir) 2 (sir 35-9°) 51/1 ( c - - ) 2 - - - - Z -2 + \_ - - sui 2/04 - - + sin 359° ( 180) Ces 21° + sin 1° = 1 57 4 mil -1 Son US = 1 sin (90°-1) 4 sin 1°=1



Cor 2x + core1x = corx 2 cos (3x) cos (-x) = cosx2 cos 3x cosx - cosx = 0 2 cos x - 1 + 2 cos 2x - 1 = 00 2 cos x - 2 + 2 (2, cos x -1) = cox 2003x -2/ + 8apx - 8apx +/2 = as 8 as 4x - 6 as 2x farx = 0 CORED