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) $\cos (A+B) = \cos A \cos B - xim A \sin B$

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

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

$$= -\frac{20}{221}$$
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)
$$Cus(A-B) = CusAcusB + sunA sunB$$

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

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

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

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

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

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

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

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

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

$$Cos A =$$

(1- sin x = 13 cox

[0,27]

 $\sqrt{3} \quad CDX + DinX = 1$ $\sqrt{3} \quad CDX + \frac{1}{2} \quad DinX = \frac{1}{2}$

 $GD_{6}^{II} GDX + Sin II Sin X = \frac{1}{2}$ $GD (X - II) = \frac{1}{2}$

 $X = \frac{\pi}{6} = \frac{n}{3}$ $X = \frac{\pi}{3} + \frac{\pi}{6}$ $= \frac{\pi}{2}$

 $\begin{array}{c} X - \frac{77}{6} - \frac{50}{3} \\ X = \frac{50}{3} + \frac{11}{6} \\ = \frac{110}{6} \end{array}$

2 $fan \times csc \times + 2 csc \times + tan \times + 1 = 0$ [0,27] 2 $csc \times (tan \times + 1) + (tan \times + 1) = 0$ $(tan \times + 1) (2 csc \times + 1) = 0$ $tan \times = -1$ $csc \times = -1$ $x = \frac{3\pi}{4}, \frac{7\pi}{4}$ $sin \times = -2$ x = -2

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

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

$$\cos x = -1$$

$$x = \pi$$

$$x = \pi$$

$$x = \pi$$

$$\begin{array}{c}
\text{sin} \times \text{fan} \times = \text{sin} \times \\
\text{sin} \times \text{fan} \times - \text{sin} \times = 0 \\
\text{sin} \times (\text{fan} \times -1) = 0 \\
\text{sin} \times = 0 \quad \text{fan} \times = 1
\end{array}$$

$$\begin{array}{c}
\text{X} = 0, \overline{D}, \overline{D}, \overline{D} = 0 \\
\text{X} = 0, \overline{D}, \overline{D}, \overline{D} = 0
\end{array}$$

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

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

$$x = h con \theta$$

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

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

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

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

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

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

$$y - 2x = 6$$

$$y = x$$

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

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

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

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