



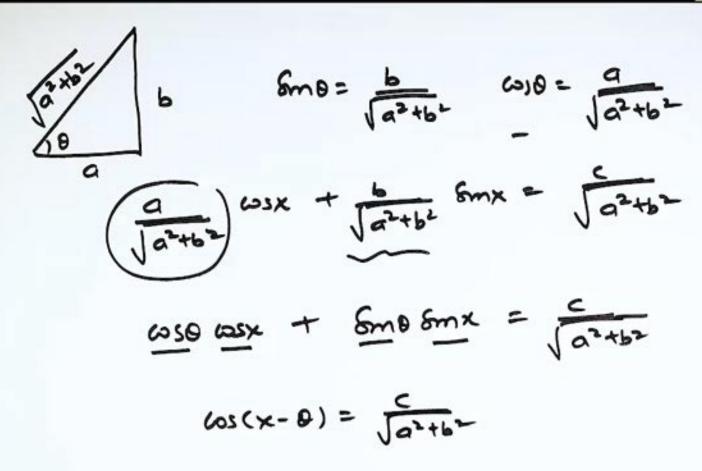
$$x+0= n\bar{x}+(-1)^{n}\beta \qquad n+1$$
where $\beta=8m^{2}(\frac{c^{2}+b^{2}}{a^{2}+b^{2}})$

$$x= n\bar{x}+(-1)^{n}\beta-0$$

$$n+1$$









$$\beta = \omega s^{1} \int_{a^{24}b^{2}}^{c}$$

$$x-\theta = 2n\pi \pm \beta$$

$$x = 2n\pi \pm \beta + \theta$$
Where
$$\beta = \omega s^{1} \int_{a^{24}b^{2}}^{c}$$

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



Q
$$\sqrt{36mx + \cos x} = \sqrt{2}$$
 $a = \sqrt{3} = \sqrt{2} = \sqrt{2}$

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Q





m(i)
$$\sqrt{3} \text{ sm} \times + \frac{1}{4} \text{ so} \times = \sqrt{2}$$

$$\text{sm}_{\overline{6}}^{\overline{6}} \quad \text{sm}_{\overline{6}}^{\overline{6}}$$

$$\text{sm}(\times + \frac{7}{4}) = (\sqrt{3})$$

$$\times + \frac{7}{6} = n \times + (-1)^{n} \frac{7}{4} - \sqrt{6}$$

$$\times + \frac{7}{6} = n \times + (-1)^{n} \frac{7}{4} - \sqrt{6}$$

$$\pi = n \times + (-1)^{n} \frac{7}{4} - \sqrt{6}$$

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



Q
$$\delta mx + \omega sx = \sqrt{2}$$
 $G = 1$
 $\delta = 1$
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$$a=3$$
 $b=4$ $\sqrt{a^2+b^2}$
 $\frac{3}{5}$ $\omega_{5}x + \frac{4}{5}$ $\delta_{m}x = 1$
 ω_{6} $\delta_{m}\theta$
 $\omega_{5}x \omega_{1}\theta + \delta_{m}x \delta_{m}\theta = 1$
 $\omega_{5}(x-\theta) = 1$

X-0 = 205

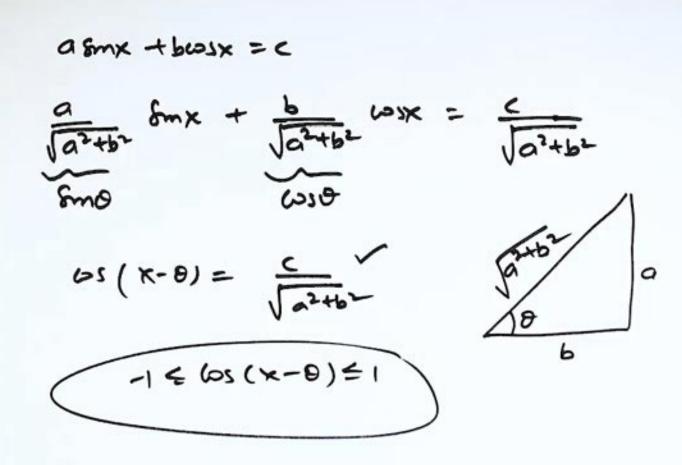
$$315$$
 $X = 2n\pi + 0$

Where $\theta = 605^{1}3/5$
 $n \in I$



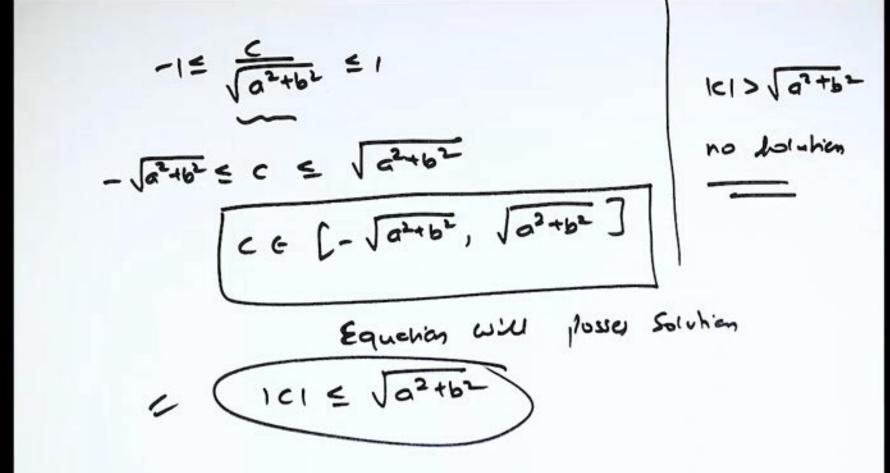
Some tease =
$$\sqrt{3}$$
 $a=1$
 $b=1$
 $\sqrt{a^2+b^2} = \sqrt{2}$
 $\frac{1}{\sqrt{2}}$
 \frac













a Smx + LOSX = 53 a 8mx + wax = 1.5 C=1.5 C> Ja2+62 c > Va2+62 no bolution No bolution

If
$$K\omega sx - 38mx = K+1$$
.

Similarly the value of 'K' for which given equation has seen solutions

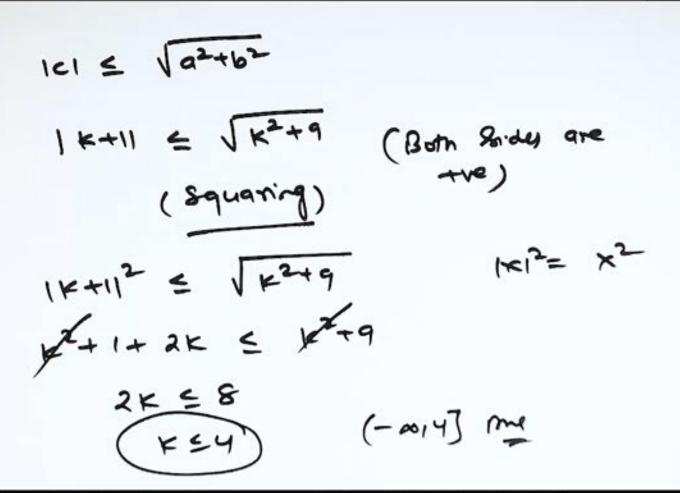
$$|C| \leq \sqrt{a^2 + b^2}$$

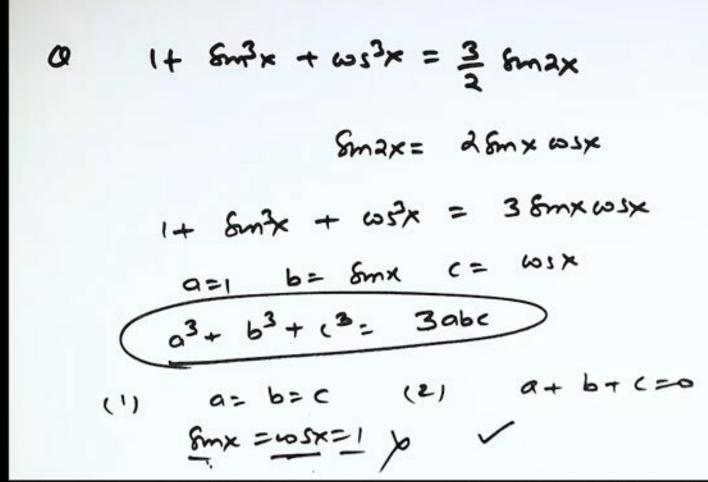
$$|C| \leq \sqrt{a^2 + b^2}$$

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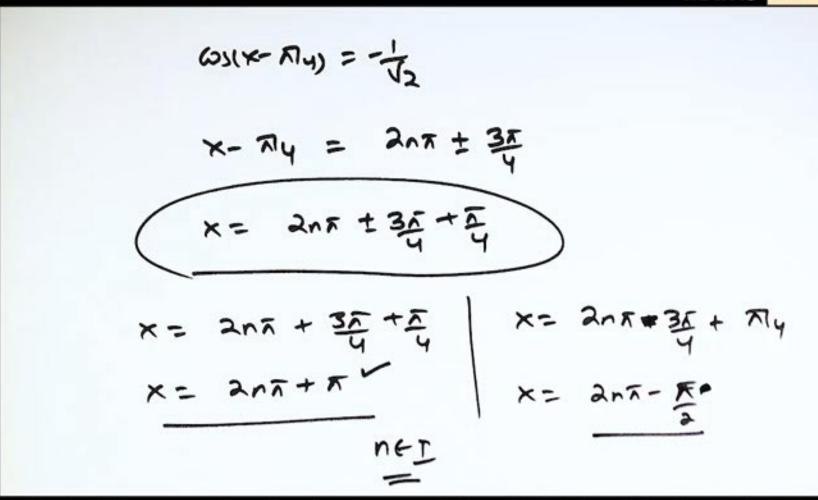
$$|C| \leq \sqrt{a^2 + b^2} = \sqrt{x^2 + 9}$$











Q
$$3\sqrt{3} \sin^3 x + \cos^3 x + 3\sqrt{3} \sin x \cos x = 1$$

 $(\sqrt{3} \sin x)^3 + (\cos x)^3 - 1 = -3\sqrt{3} \sin x \cos x$
 $(\sqrt{3} \sin x)^3 + (\cos x)^3 + (-1)^3 = 3(-1)(\sqrt{3} \sin x)(\omega x)$
 $(1) \quad \alpha = b = c$ $(2) \quad \alpha + b + c > 0$
 $(3 \sin x = \omega x = -1)$ $(3 \sin x + \omega x - c > 0)$

