Trigonometry Equation & Inequalities CL-01

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(2)
$$\omega_{3}x = \omega_{3}\beta$$

$$-2 \, \delta_{m}(x+\beta_{1}) \, \delta_{m}(x-\beta_{2}) = 0$$

$$-2 \, \delta_{m}(x+\beta_{1}) \, \delta_{m}(x-\beta_{2}) = 0$$

$$(1) \, \delta_{m}(x+\beta_{2}) = 0 \quad (21 \, \delta_{m}(x-\beta_{1}) = 0)$$

$$x+\beta_{1} = \rho_{1} \qquad x-\beta_{2} = q_{1}$$

$$\rho \in I \qquad x = 2q_{1}x+\beta_{2}$$

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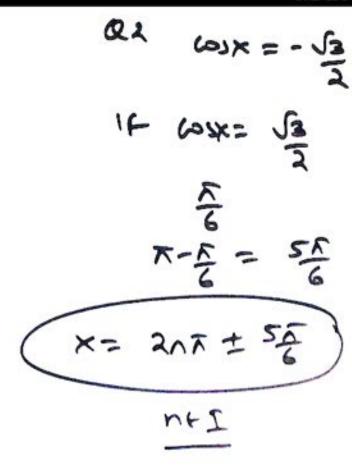


(1)
$$A = 2PX - B$$
 $A = 2AX + B$
 $B \in [0, X]$
 $A = 2AX + B$
 A

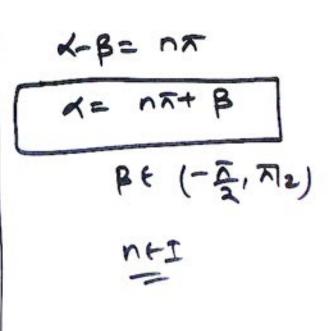
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OI tank=1	QX += x= - \square
X=MY	X= - \frac{2}{3}
X= NX+ A	X= nx+ (-13)
nei	X= NX- 3
	The NAT SE NICIERY

Q3
$$tenx = -\frac{1}{3}$$

If $tenx = \frac{1}{3}$
 $x = ten^{-\frac{1}{3}}$
 $x = -ten^{-\frac{1}{3}}$
 $x = n\pi - ten^{-\frac{1}{3}}$
 $x = n\pi - ten^{-\frac{1}{3}}$
 $x = n\pi - ten^{-\frac{1}{3}}$
 $x = n\pi - ten^{-\frac{1}{3}}$

(4)
$$8m^2x = 8m^2\beta$$

 $8m^2x - 8m^2\beta = 0$
 $8m(x+\beta)$ $8in(x-\beta) = 0$
 $8m(x+\beta) = 0$ or $8in(x-\beta) = 0$
 $x+\beta = n\overline{n}$ or $x-\beta = n\overline{n}$
 $x=n\overline{n}+\beta$ or $x=n\overline{n}+\beta$
 $x=n\overline{n}+\beta$ $x=n\overline{n}+\beta$ $x=n\overline{n}+\beta$



$$Q \quad \delta m^2 x = \frac{1}{4}$$

$$\delta m^2 x = (\frac{1}{4})^2 = \delta m^2 \frac{5}{6}$$

$$X = \sqrt{3} + \frac{5}{6}$$

$$x = \sqrt{7} + \frac{5}{6}$$

$$x = \sqrt{12}$$

$$8m^{2}x = \frac{3}{4}$$

$$8m^{2}x = (\sqrt{3})^{2} = 8m^{2}\frac{3}{3}$$

$$8m^{2}x = (\sqrt{3})^{2} = 8m^{2}\frac{3}{3}$$

$$8m^{2}x = \sqrt{3}$$



(5)
$$\omega_{2}x = \omega_{2}\beta$$
 $1 - 8m^{2}x = 1 - 8m^{2}\beta$
 $x = nx + \beta$
 $\beta + [0, \pi]$



$$Q \qquad \sum_{X=1}^{K=1} \frac{1}{X} = \sum_{X=1}^{K=1} \frac{1}{X} =$$

Q
$$\omega_{3}^{2}x = \frac{1}{4}$$

$$\omega_{5}^{2}x = (\frac{1}{\sqrt{2}})^{2}$$

$$= \frac{1}{80}$$

$$= \frac{1}{4}$$

$$x = n\pi \pm \frac{\pi}{4}$$

$$\pi = \frac{1}{4}$$

(6)
$$\tan^2 x = \tan^2 \beta$$

 $\frac{\sin^2 x}{\cos^2 x} = \frac{\sin^2 \beta}{\cos^2 x}$
 $\frac{\sin^2 x}{\cos^2 x} = \frac{\sin^2 \beta}{\cos^2 x}$



$$Q + 4x^2x = 3$$

$$+4x^2x = (\sqrt{3})^2$$

$$= +4x^2x^2$$

$$= +6x^2x^2$$

$$= +6x^2$$

$$= +6x^2$$