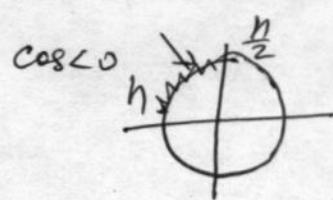
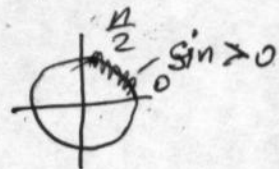


$$014: \cos \alpha = -\sqrt{1 - \frac{24}{25}} = -\frac{2}{5} = -0,4$$



$$013: \sin \alpha = \sqrt{1 - \frac{24}{25}} = \frac{1}{5} = 0,2$$

$$023: \frac{(\cos^2 \alpha - \sin^2 \alpha)(\cos^2 \alpha + \sin^2 \alpha)^{\frac{1}{2}}}{(1 - \sin \alpha)(1 + \sin \alpha)} = \cos \alpha - \sin \alpha$$



$$= \frac{\cos^2 \alpha - \sin^2 \alpha}{\cos^2 \alpha - \sin^2 \alpha} = 1 - \frac{1 - \sin^2 \alpha}{1 - \sin^2 \alpha} = 1 - \frac{1}{1 - \sin^2 \alpha} = 1 - \frac{1}{\cos^2 \alpha} = 1 - \sec^2 \alpha = -\tan^2 \alpha$$

member: 0

$$019: 2\sqrt{3} \cdot \cos^2 \frac{13}{4}\pi - \sqrt{3} = \frac{2\sqrt{3}}{2} - \sqrt{3} = 0$$

$$\cos^2 \frac{\pi}{4} = \cos \frac{\pi}{4} \cdot \cos \frac{\pi}{4} = \frac{\sqrt{2}}{2} \cdot \frac{\sqrt{2}}{2} = \frac{1}{2}$$

member: 0



$$025: \tan^2 \alpha + \cot^2 \alpha = 2$$

$$(\tan \alpha + \cot \alpha)^2 = (2)^2$$

$$\tan^2 \alpha + 2 \tan \alpha \cot \alpha + \cot^2 \alpha = 4$$

$$\tan^2 \alpha + \cot^2 \alpha + 2 = 4$$

$$\tan^2 \alpha + \cot^2 \alpha = 4 - 2 = 2$$

$$\begin{aligned} 98 - 2 \cdot 3 &= 92 \\ 92 - 8 &= 84 \\ 84 - 2 &= 82 \\ 82 - 2 &= 80 \\ 80 - 2 &= 78 \\ 78 - 2 &= 76 \\ 76 - 2 &= 74 \\ 74 - 2 &= 72 \\ 72 - 2 &= 70 \\ 70 - 2 &= 68 \end{aligned}$$

$$\begin{aligned} 98 - 2 \cdot 3 &= 92 \\ 92 - 8 &= 84 \\ 84 - 2 &= 82 \\ 82 - 2 &= 80 \\ 80 - 2 &= 78 \\ 78 - 2 &= 76 \\ 76 - 2 &= 74 \\ 74 - 2 &= 72 \\ 72 - 2 &= 70 \\ 70 - 2 &= 68 \end{aligned}$$

$$98 - 2 \cdot 3 = 92$$

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