

$$\cos \frac{\pi}{6} \cos \alpha - \sin \frac{\pi}{6} \sin \alpha - \frac{\sqrt{3}}{2} \cos \alpha$$

$$= \frac{\sqrt{3}}{2} \cos \alpha - \frac{1}{2} \sin \alpha - \frac{\sqrt{3}}{2} \cos \alpha$$

$$= \underline{-\frac{1}{2} \sin \alpha}$$

$$\cos\left(\frac{\pi}{6} + \alpha\right) = \cos \frac{\pi}{6} \cos \alpha -$$

$$- \sin \frac{\pi}{6} \sin \alpha - \varphi - \text{ca}$$

no different argument.

φ -you