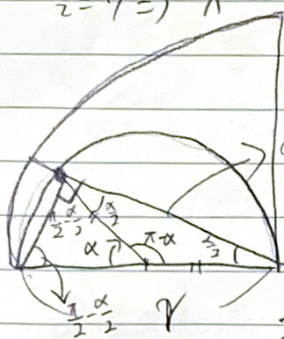


$$z=0 \Rightarrow 5\pi/4$$

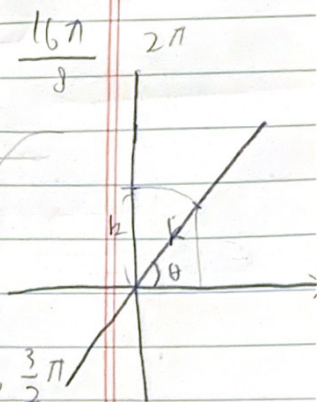
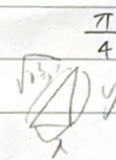
$$z=7 \Rightarrow \pi$$



$$r \sin\left(\frac{\pi}{2} - \frac{\alpha}{2}\right) = r \sin\left(\frac{\pi}{2} - \frac{\pi}{2n}\right) = r \cos\left(\frac{\pi}{n}\right)$$

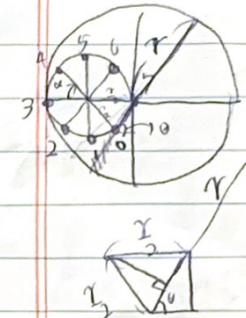
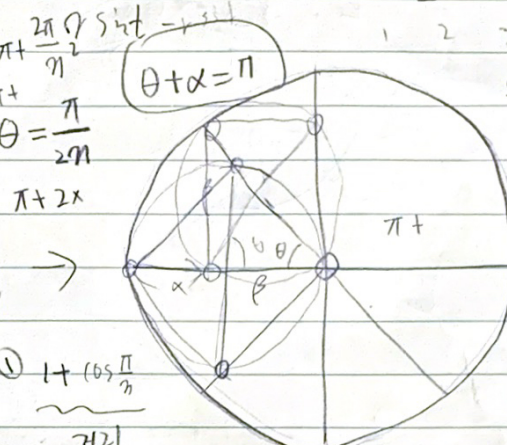
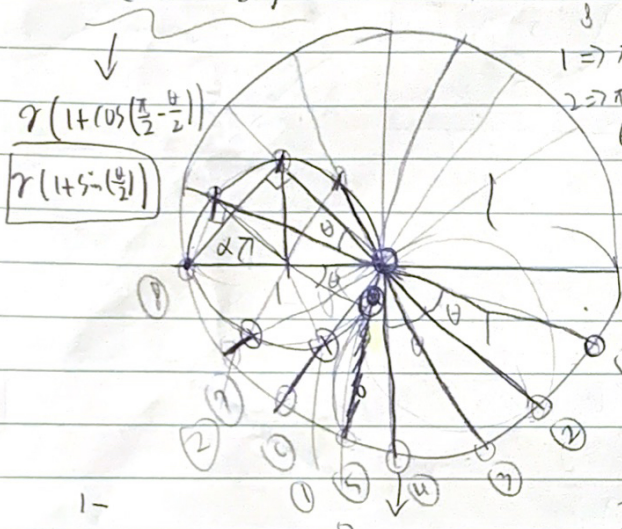
$$r \cos\left(\frac{\pi}{2} - \frac{\alpha}{2}\right) = r \sin\left(\frac{\pi}{2} - \frac{\pi}{2n}\right) = r \cos\left(\frac{\pi}{n}\right)$$

$$\alpha = \frac{2\pi}{n}$$



$$r(1 + \cos(\frac{\alpha}{2}))$$

$$72 \frac{\pi}{4} \pi(1 + \frac{2}{n} r \cos t + r \cos$$



1-

2-

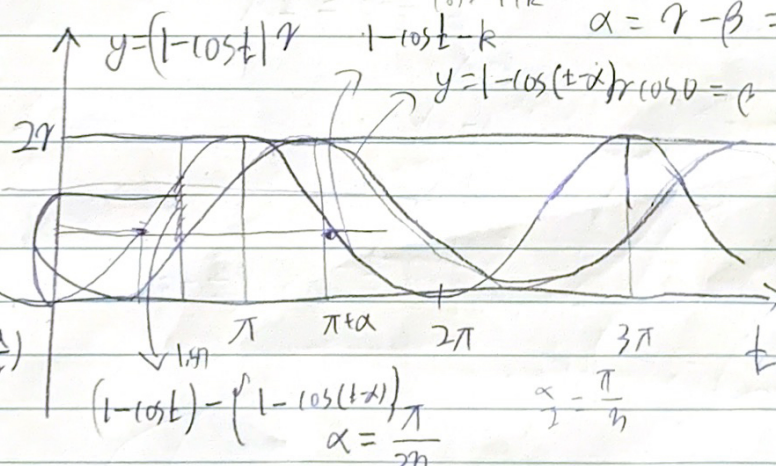
$$\alpha + \beta = \gamma$$

$$\gamma = 1$$

$$y = r(1 - \cos \theta)$$

$$\frac{x}{r} = 1 - \cos y$$

$$\cos y = 1 - \frac{x}{r}$$



$$y = 2$$

$$1 - \cos x = (1 + \cos$$

$$\arccos\left(1 - \frac{r}{2}(1 + \cos \frac{\alpha}{2})\right) = \cos(t - \alpha) - \cos t$$

$$\lambda = 1 - \cos y$$

$$y = \arccos\left(1 - (1 + \cos(\frac{\alpha}{2}))\right)$$

$$= \arccos(-\cos(\frac{\alpha}{2}))$$

$$\cos y = 1 - \lambda = k$$

$$y = \arccos(1 - \lambda)$$