$$E\left(\frac{5\pi}{4}\right) = \cos^2\left(\frac{5\pi}{4}\right) - \sin^2\left(\frac{5}{4}\right)$$

$$= \left(\frac{-\sqrt{2}}{2}\right)^{2} - \left(\frac{\sqrt{2}}{2}\right)^{2}$$

$$=\frac{2}{4}-\frac{3}{4}=\frac{0}{4}=0$$

Sin x=1-cos x. cos = Sin cisi

$$\cos^2 x = \frac{3}{4}$$

$$180^{\circ} \xrightarrow{\pi} \chi \chi = \frac{100^{\circ} \times \pi}{100^{\circ} \times 100^{\circ}} \begin{cases} 130^{\circ} = 3^{\circ} \times 10^{\circ} \\ 180 = 2^{\circ} \times 10^{\circ} \end{cases}$$

$$\chi = \frac{3\pi}{4}$$

Sin (1- a) = sind