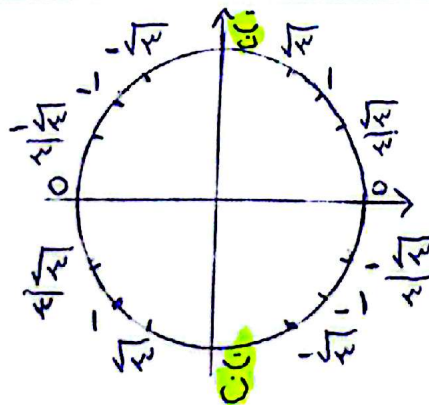
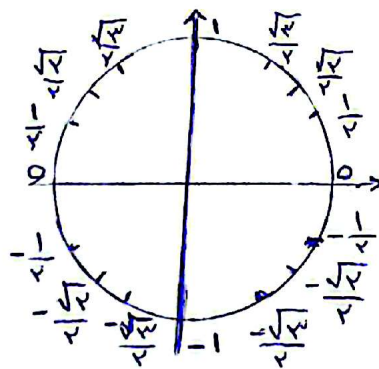
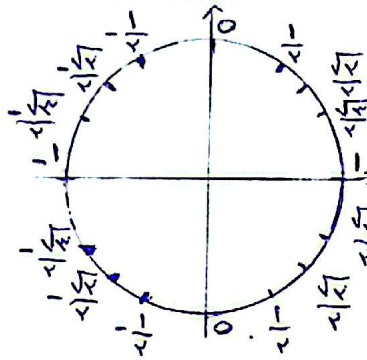
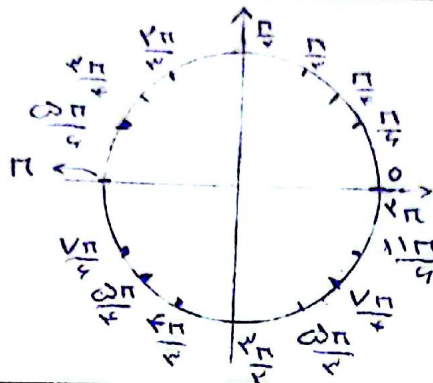
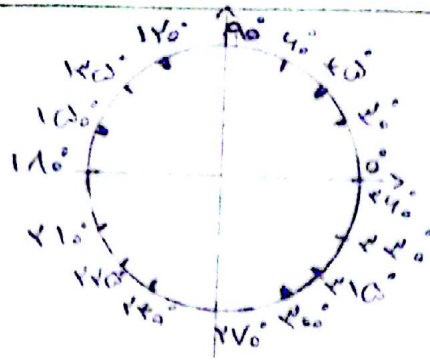
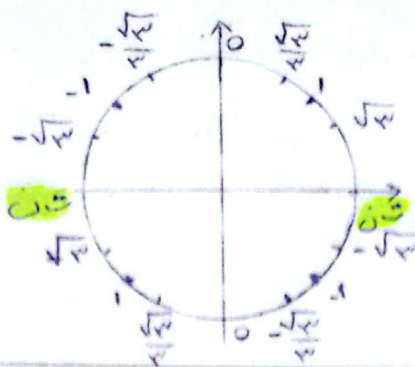


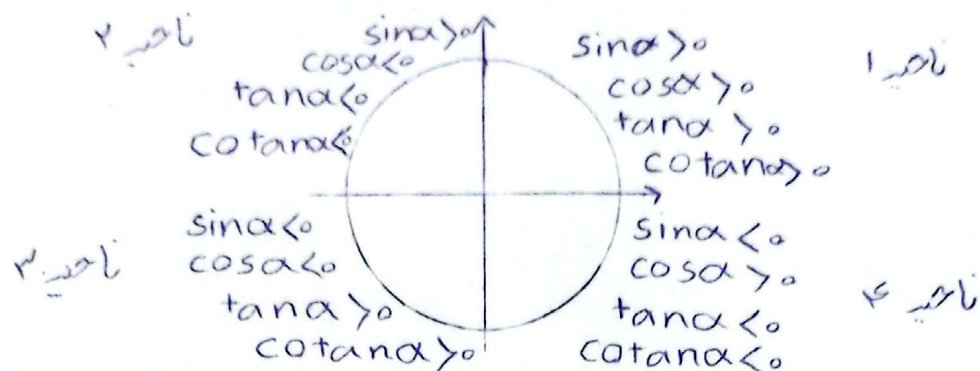
نام و نام خانوادگی آیدین آریزنی پاسخنامه تشریحی تکلیف شماره ۲ کلاس دهم A شنبه ۱۳۹۸



نشان = تعیین شده



شکل = تعریف شده



$$\sin \alpha = \sin 45^\circ = \frac{\sqrt{2}}{2} \Rightarrow \alpha = 45^\circ$$

$$\cos \alpha = \cos 135^\circ = -\frac{\sqrt{2}}{2} \Rightarrow \alpha = 135^\circ$$

$$\tan \alpha = \tan 225^\circ = \frac{\sqrt{2}}{2} \Rightarrow \alpha = 225^\circ$$

$$\cot \alpha = \cot 315^\circ = -1 \Rightarrow \alpha = 315^\circ$$

الف) 45°

ب) 135°

ج) 225°

د) 315°

$$\cos \frac{5\pi}{6} = -\frac{1}{2} \xrightarrow{\text{تقریب}} \frac{1}{2} \quad \sin \alpha = \frac{1}{2} \Rightarrow \alpha = \frac{\pi}{6} \text{ و } \frac{5\pi}{6}$$

$$\cos \frac{11\pi}{6} = \frac{\sqrt{3}}{2} \xrightarrow{\text{تقریب}} -\frac{\sqrt{3}}{2} \quad \sin \alpha = -\frac{\sqrt{3}}{2} \Rightarrow \alpha = \frac{4\pi}{3} \text{ و } \frac{5\pi}{3}$$

$$\cot \alpha = -1 \quad \cos \alpha = -1 \Rightarrow \alpha = 180^\circ$$

$$\cos 150^\circ = -\frac{\sqrt{3}}{2} \xrightarrow{\text{تقریب}} \frac{\sqrt{3}}{2} \quad \sin \alpha = \frac{\sqrt{3}}{2} \Rightarrow \alpha = 60^\circ \text{ و } 120^\circ$$