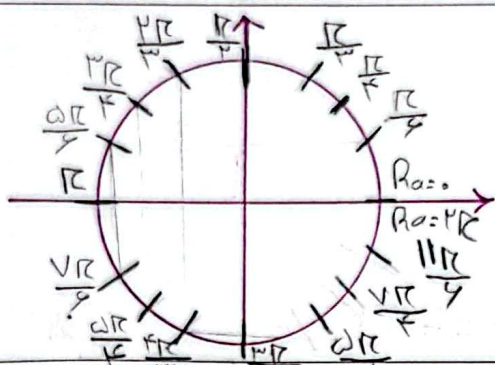
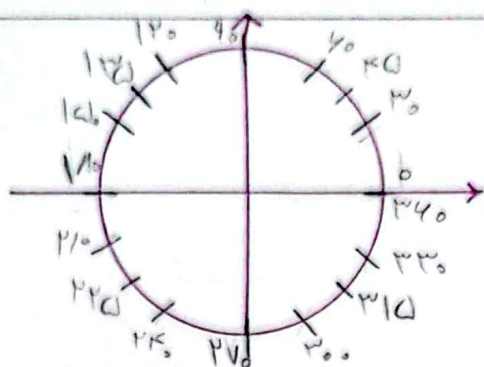
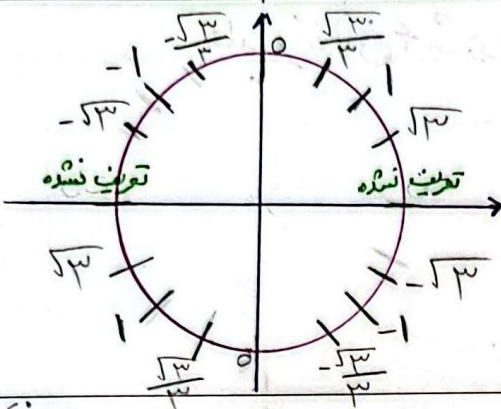
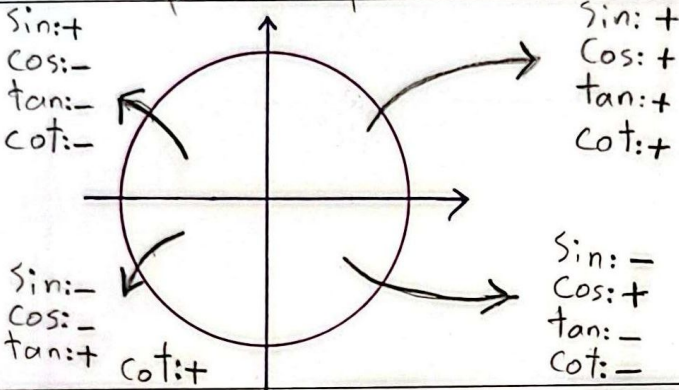


نام و نام خانوادگی: علیرضا انصاری پاسخنامه تشریحی تکلیف شماره ۲ کلاس B - دوم





$$\cot = \frac{\cos}{\sin}$$



$$\cos 150^\circ = -\frac{\sqrt{3}}{2} = \cos 210^\circ$$

$$\sin 150^\circ = \frac{\sqrt{3}}{2} \Rightarrow \alpha = 30^\circ$$

$$\sin \alpha = \frac{\sqrt{3}}{2} \Rightarrow \alpha = 30^\circ$$

$$\cot 135^\circ = -1 \quad \cot 135^\circ = \frac{\cos 135^\circ}{\sin 135^\circ} = \frac{-\frac{\sqrt{2}}{2}}{\frac{\sqrt{2}}{2}} = -1$$

$$\cot 135^\circ = -1 \Rightarrow \frac{\sqrt{2}}{2} = -1$$

$$\tan 135^\circ = \frac{\sin 135^\circ}{\cos 135^\circ} = \frac{\frac{\sqrt{2}}{2}}{-\frac{\sqrt{2}}{2}} = -1$$

$$\tan 150^\circ = -\frac{\sqrt{3}}{3}$$

$$-(\cos 11\pi) = -\left(-\frac{\sqrt{3}}{2}\right) = \frac{\sqrt{3}}{2}$$

$$-(\cos \frac{2\pi}{3}) = -\left(-\frac{1}{2}\right) = \frac{1}{2}$$

$$\sin \alpha = -\frac{\sqrt{3}}{2} \Rightarrow \alpha = 240^\circ \text{ or } 300^\circ$$

$$\sin \alpha = \frac{1}{2} \Rightarrow \alpha = 30^\circ \text{ or } 150^\circ$$

$$-(\cos 150^\circ) = -\left(-\frac{\sqrt{3}}{2}\right) = \frac{\sqrt{3}}{2}$$

$$\sin \alpha = \frac{\sqrt{3}}{2} \Rightarrow \alpha = 60^\circ \text{ or } 120^\circ$$

$$\cot \frac{7\pi}{6} = \cot 210^\circ = -1$$

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