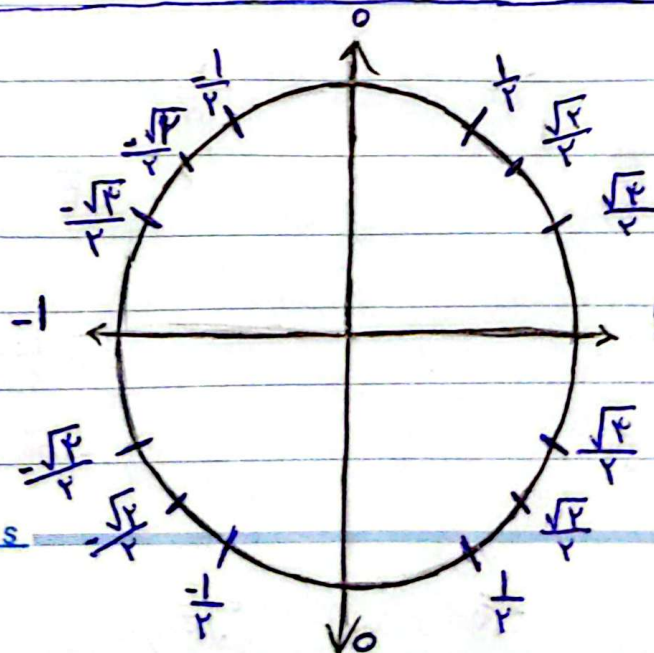
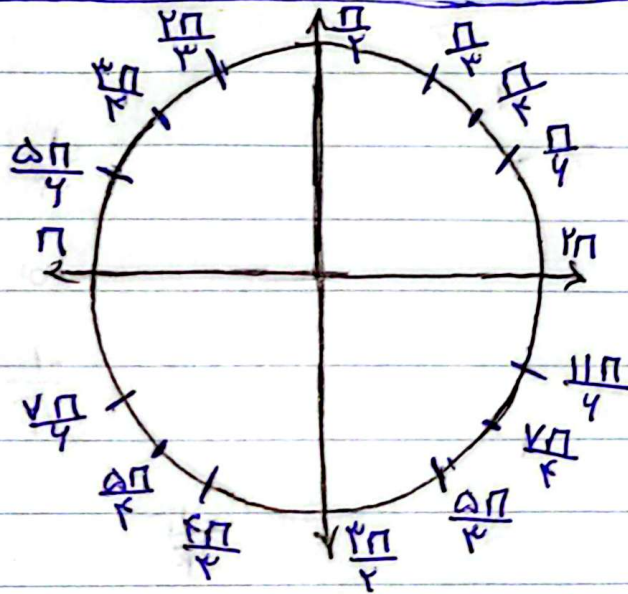
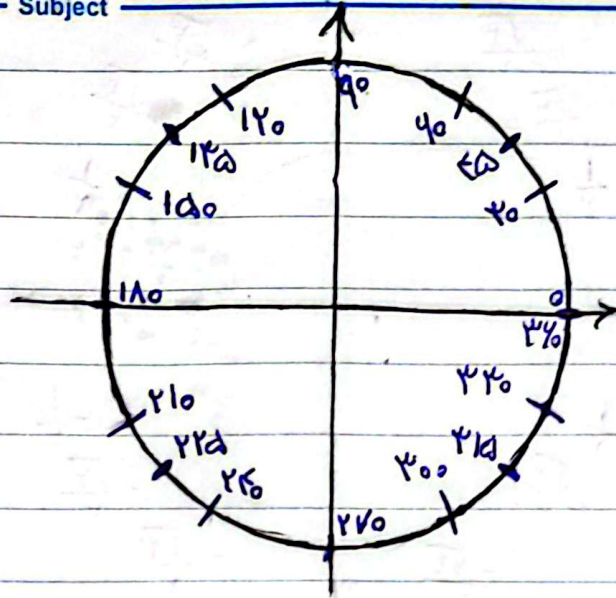


نام دانش‌آموز: خانم زهرا جمال زاده
 پایه: ۲
 کلاس: (هم دختر) A

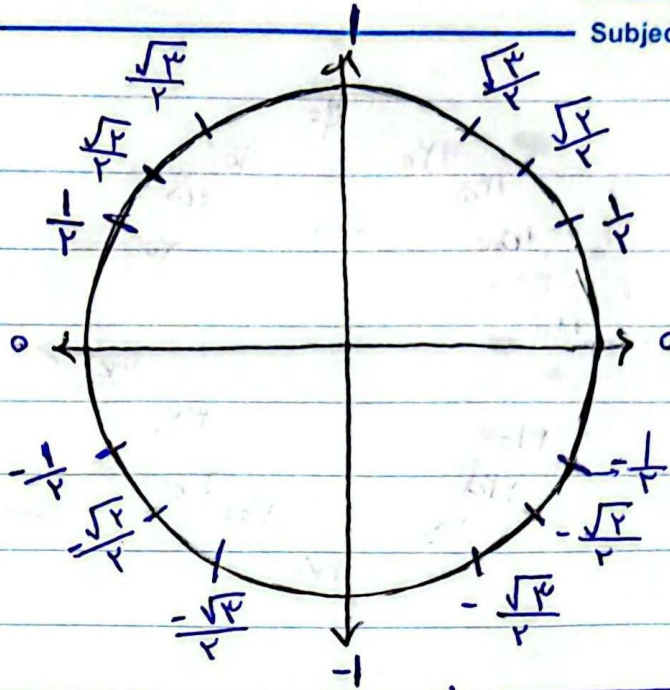
Year Month Date ()

Subject



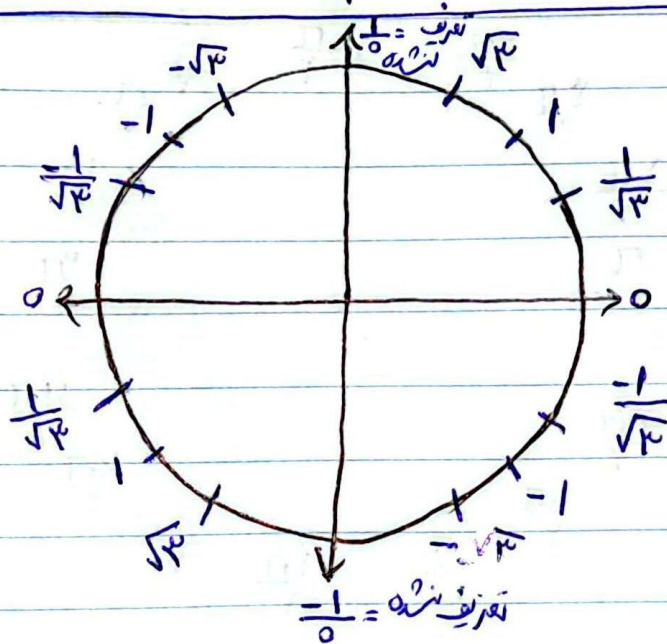
ABDIS

(K)



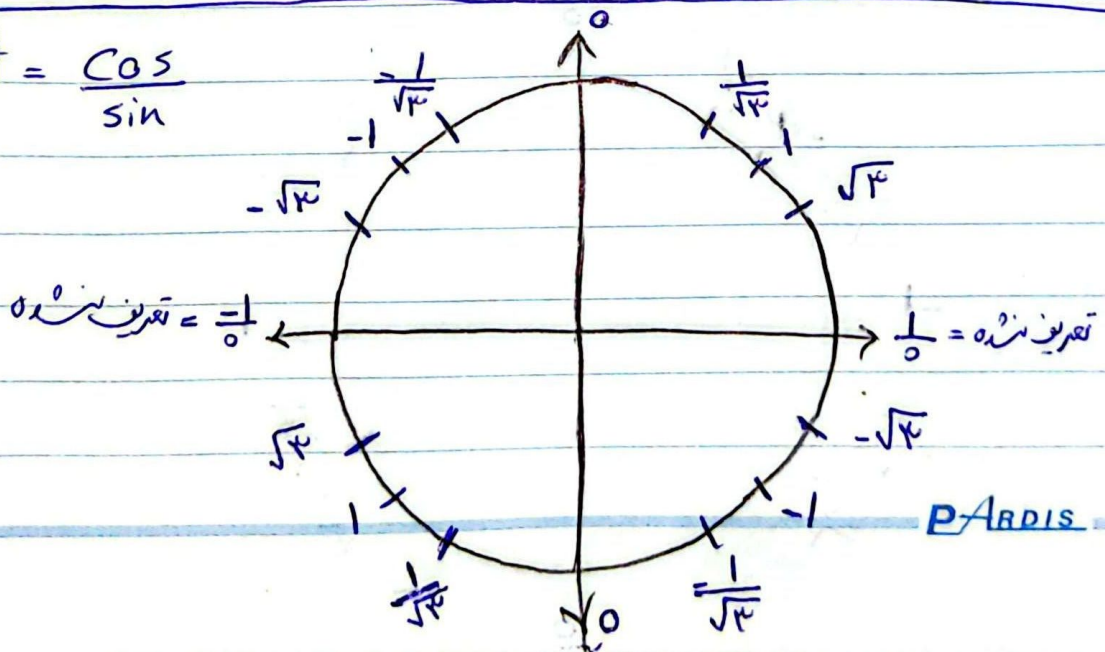
$$\tan = \frac{\sin}{\cos}$$

(5)



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

(6)

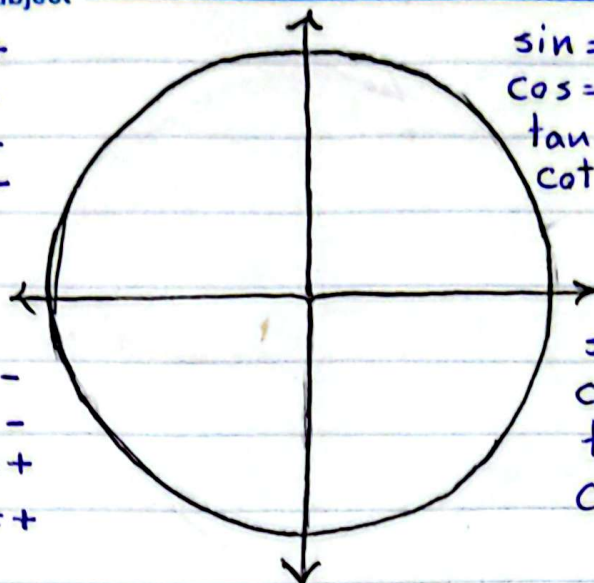


$$\sin = +$$

$$\cos = -$$

$$\tan = -$$

$$\cot = -$$



$$\sin = +$$

$$\cos = +$$

$$\tan = +$$

$$\cot = +$$

(V)

$$\sin = -$$

$$\cos = -$$

$$\tan = +$$

$$\cot = +$$

$$\sin = -$$

$$\cos = +$$

$$\tan = -$$

$$\cot = -$$

$$\sin 120^\circ = \frac{\sqrt{3}}{2} \xrightarrow{\text{برابر است با}} \sin 40^\circ = \frac{\sqrt{3}}{2}$$

(الف)

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

(ب)

$$\tan = \frac{\sin}{\cos} \Rightarrow \tan 330^\circ = \frac{-\frac{1}{2}}{\frac{\sqrt{3}}{2}} = -\frac{1}{\sqrt{3}} \xrightarrow{\text{برابر است با}} \tan 150^\circ$$

(ج)

$$\cot = \frac{\cos}{\sin} \Rightarrow \cot 135^\circ = \cot 315^\circ = -1$$

(د)

$$\cos \frac{2\pi}{3} = \frac{1}{2} = \sin \frac{\pi}{4}, \frac{5\pi}{4}$$

(الف)

(ب)

$$\cos \frac{11\pi}{4} = -\frac{\sqrt{3}}{2} = \sin \frac{4\pi}{3}, \frac{5\pi}{3}$$

$$\cos 150^\circ = \frac{\sqrt{3}}{2} = \sin 120^\circ, 40^\circ$$

(ب)

$$\cot \frac{7\pi}{4} = -1 = 135^\circ$$

(الف)