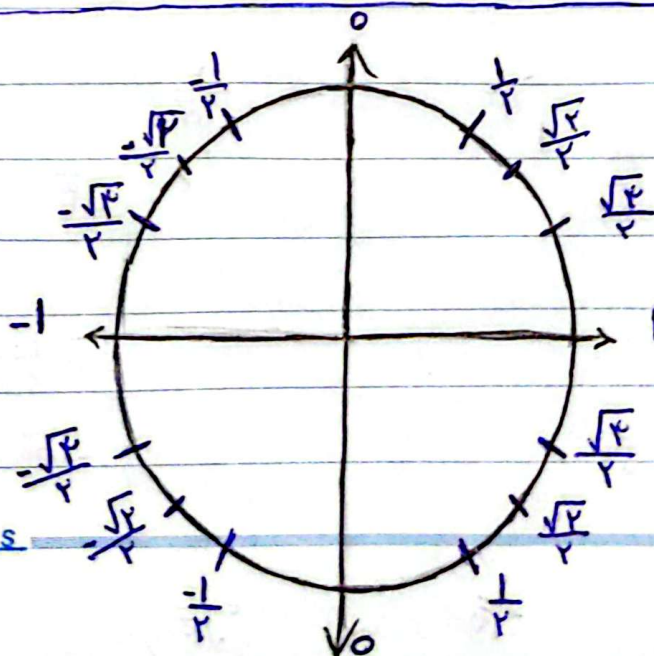
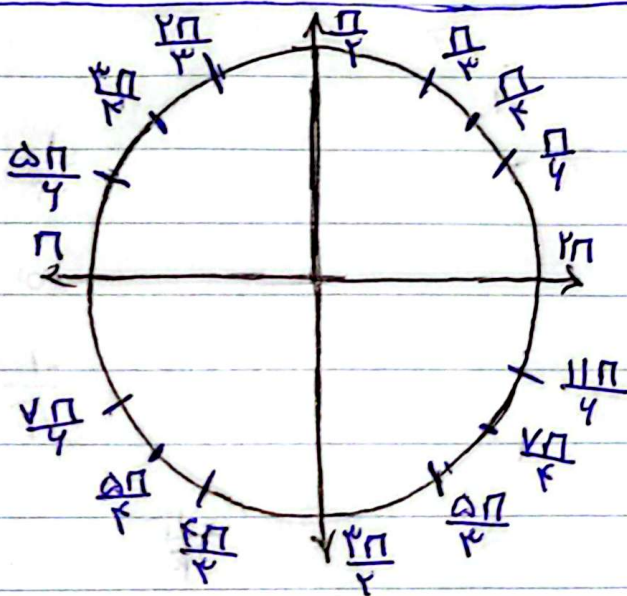
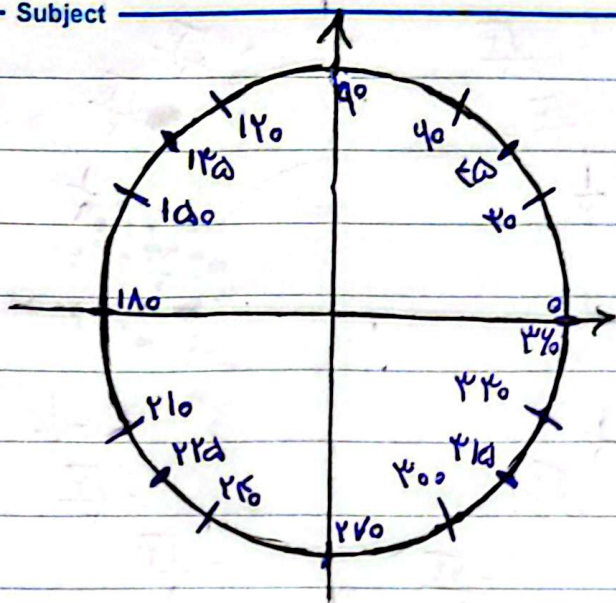


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نام و نام خانوادگی: فاطمه زهرا جمال زاده
 کلاس: دهم دختر A
 پایه: ۲
 یاسغانه تشریحی مکتوب شماره: ۲

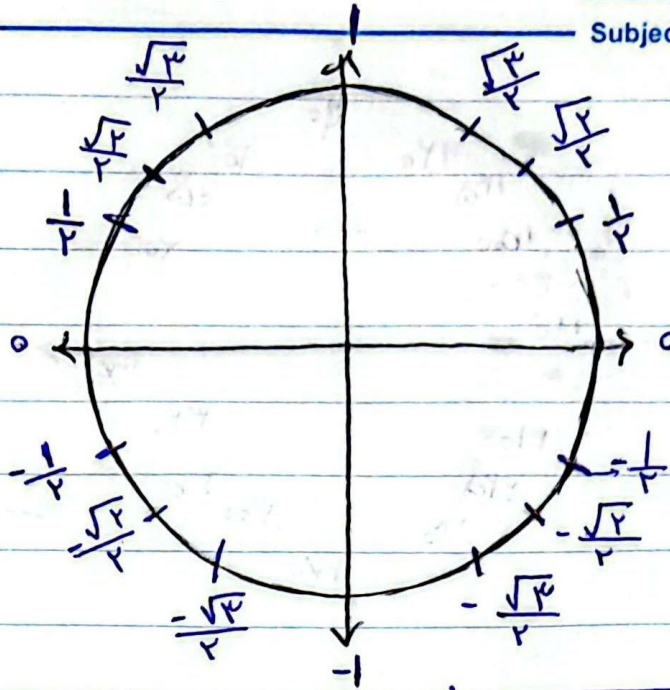
Year Month Date ()

Subject



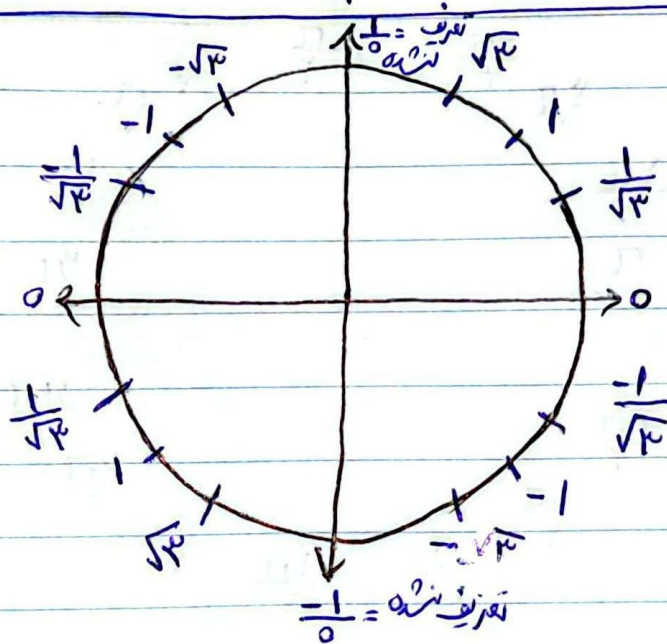
ABDIS

(K)



(5)

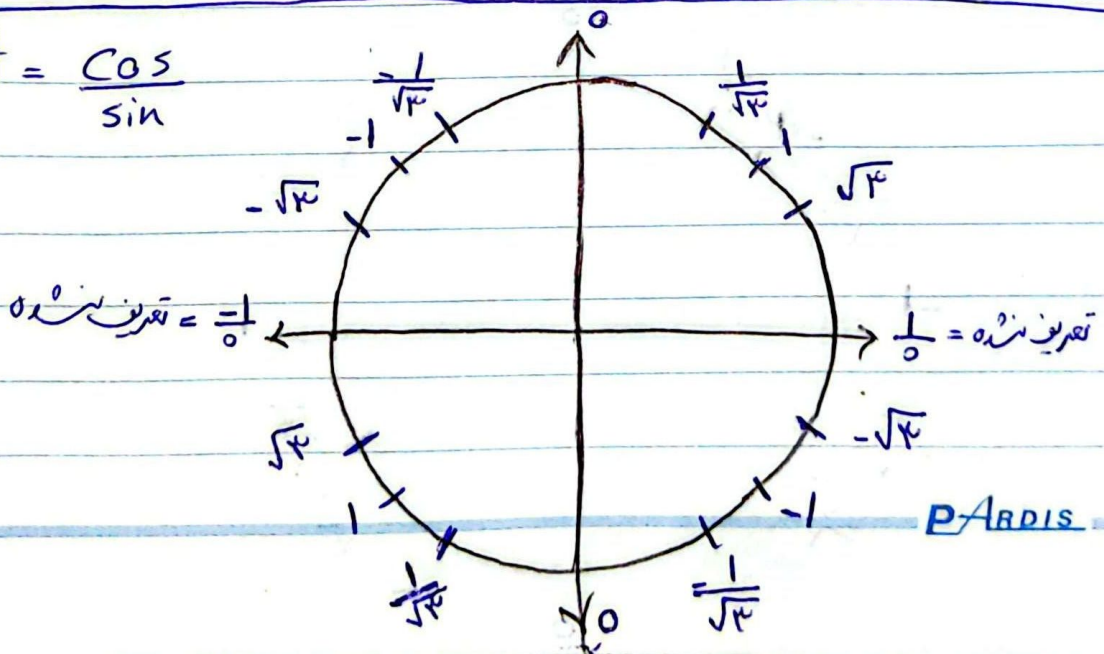
$$\tan = \frac{\sin}{\cos}$$



(5)

(5)

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



(6)

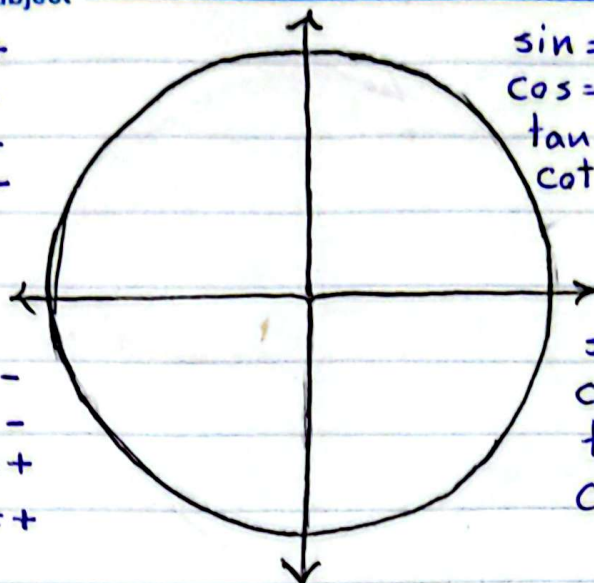
(5)

$$\sin = +$$

$$\cos = -$$

$$\tan = -$$

$$\cot = -$$



$$\sin = +$$

$$\cos = +$$

$$\tan = +$$

$$\cot = +$$

(۷)

(۲)

$$\sin = -$$

$$\cos = -$$

$$\tan = +$$

$$\cot = +$$

$$\sin = -$$

$$\cos = +$$

$$\tan = -$$

$$\cot = -$$

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

(الف)

(۲)

(ب)

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

$$\tan = \frac{\sin}{\cos} \Rightarrow \tan 30^\circ = \frac{1}{\sqrt{3}} = \frac{1}{\sqrt{3}} \xrightarrow{\text{برابر است با}} \tan 150^\circ$$

(ج)

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

(د)

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

(۹) الف

(۲)

(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)

$$\cot \frac{7\pi}{4} = -1 = 180^\circ$$

(۱۰) الف

(۲)