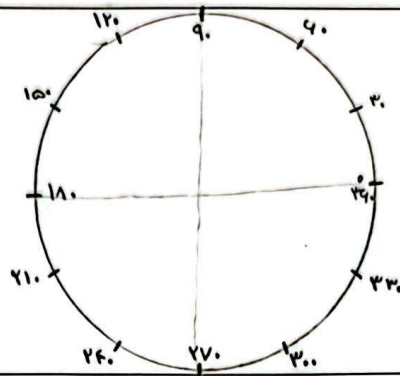
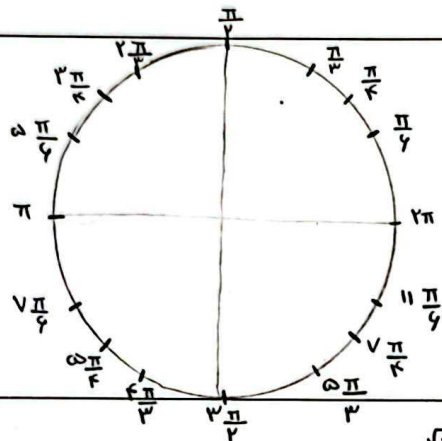


نام و نام خانوادگی ..... (دینا ادیمی) ..... پاسخنامه تشریحی تکلیف شماره (۲) کلاس ..... B

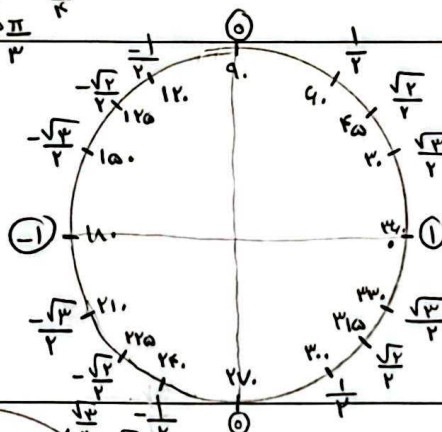
☆ زوایا



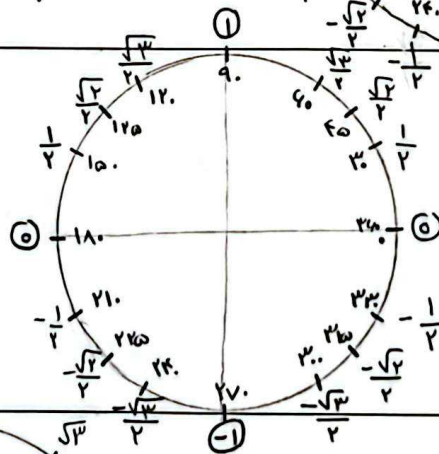
☆ رادیان



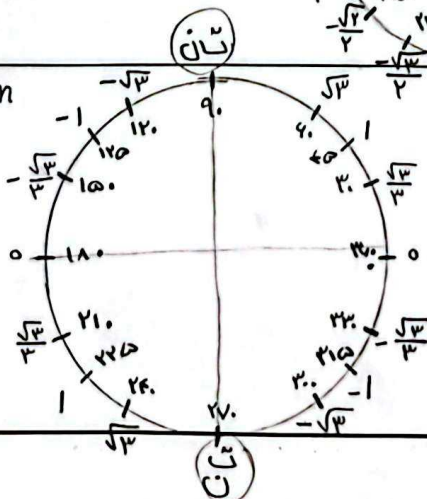
☆ Cos



☆ Sin



☆ tan

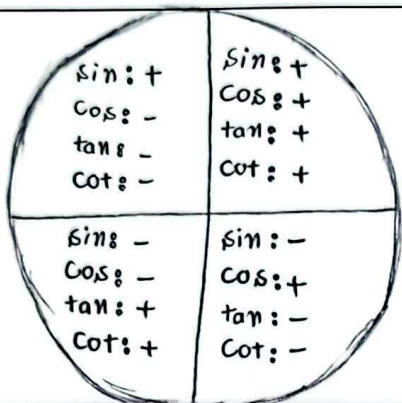
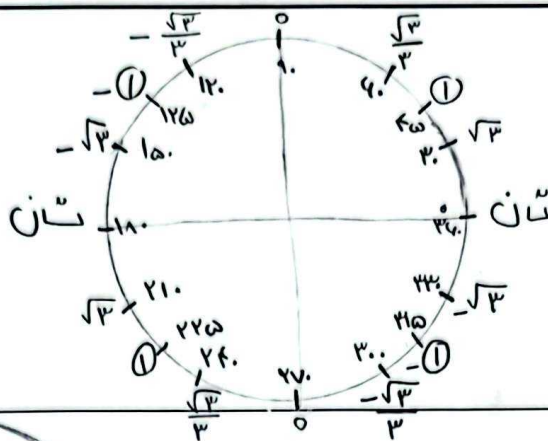


تان: تعرف نشده

$$\frac{\sin}{\cos}$$

Cot\*

$\frac{\cos}{\sin}$



علامت

الف)  $\sin \square = \sin(120^\circ) \Rightarrow \sin \square = \frac{\sqrt{3}}{2} \Rightarrow 40^\circ$  جواب

ب)  $\cos \square = \frac{\cos(150^\circ)}{\frac{\sqrt{3}}{2}} \Rightarrow 210^\circ$  جواب

ج)  $\tan \square = \frac{\tan(330^\circ)}{-\frac{\sqrt{3}}{2}} \Rightarrow \tan(150^\circ) \Rightarrow 150^\circ$  جواب

د)  $\cot \square = \cot(135^\circ) \Rightarrow \frac{110 - 135 = 45 \Rightarrow \cot \Rightarrow 1 \Rightarrow \cot(135^\circ)$

الف)  $-(\cos(\frac{2\pi}{3})) = -(-\frac{1}{2}) = \frac{1}{2} = \sin(?) \Rightarrow 150^\circ \text{ و } 30^\circ \Rightarrow \frac{\pi}{6} \text{ و } \frac{5\pi}{6}$

ب)  $\frac{11\pi}{9} \Rightarrow 330^\circ \Rightarrow \cos = \frac{\sqrt{3}}{2} \cdot \frac{\sqrt{2}}{2} = \frac{\sqrt{6}}{2}$

$\sin(?) \Rightarrow 240^\circ \text{ و } 300^\circ \Rightarrow \frac{4\pi}{3} \text{ و } \frac{5\pi}{3}$

الف)  $\cot(\frac{7\pi}{6}) = \cos(?)$

$\frac{\cos}{\sin} \Rightarrow \frac{\frac{\sqrt{2}}{2}}{-\frac{\sqrt{2}}{2}} = (-1) \Rightarrow \cos(?) = 180^\circ$  جواب

ب)  $-(\cos(150^\circ)) = \sin(?)$

$\frac{\sqrt{3}}{2} = \sin(?) \Rightarrow 120^\circ \text{ و } 60^\circ$  جواب