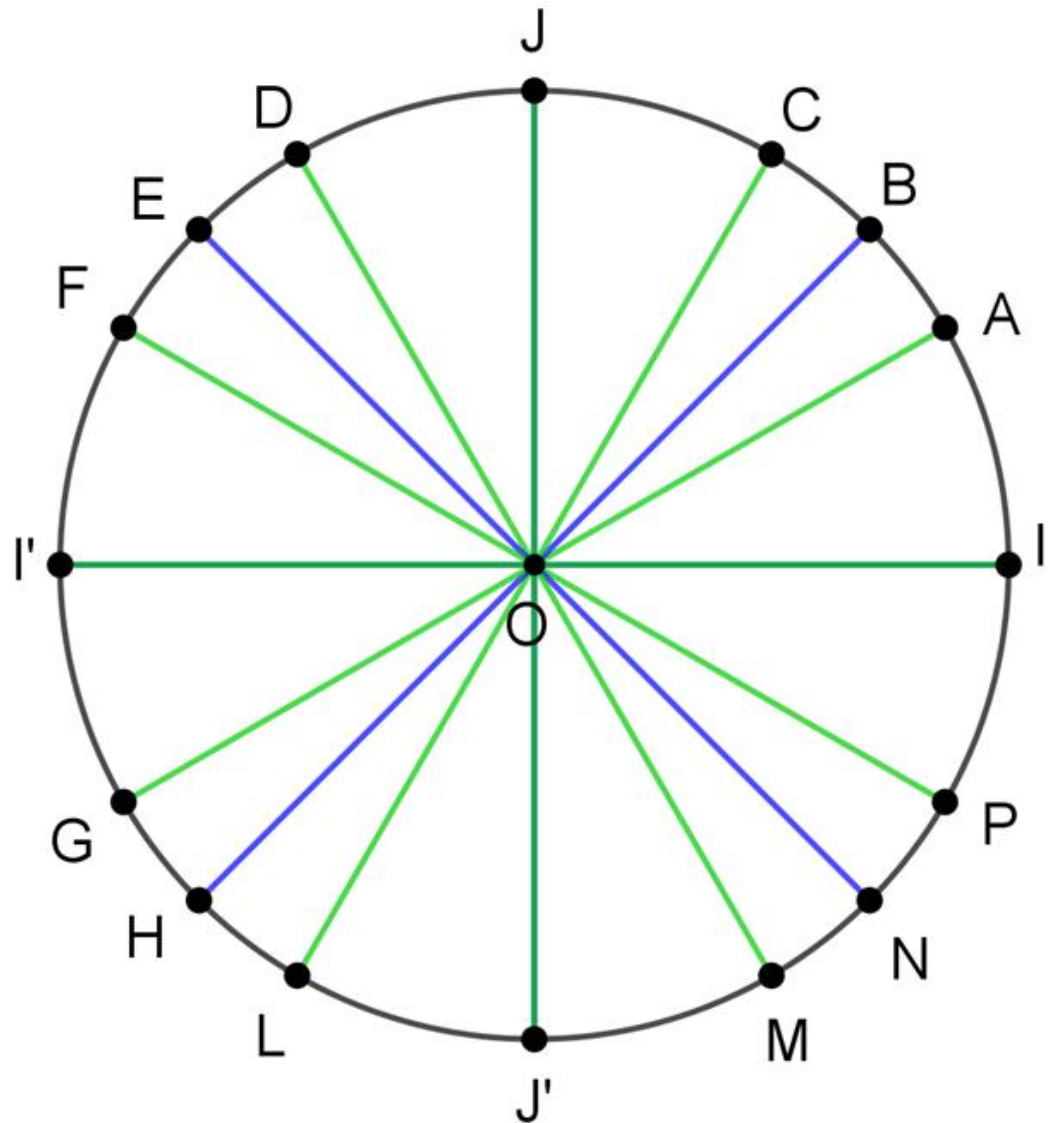


Trigonométrie

Série 4

Activités mentales et automatismes en classe de première
IREM de Clermont-Ferrand

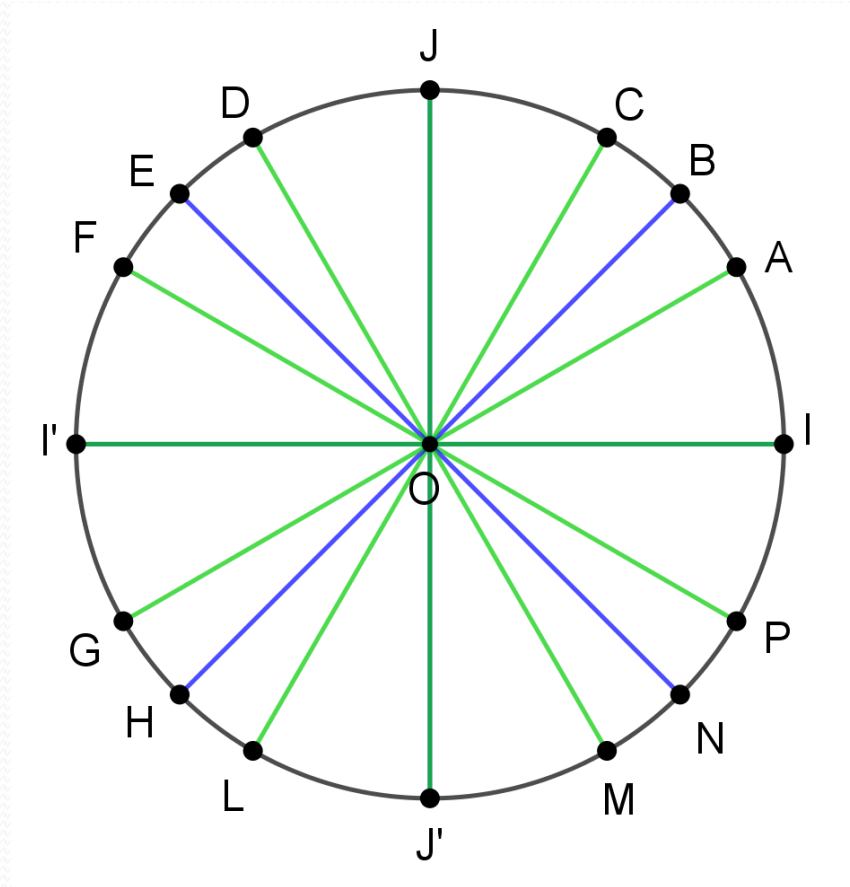
**Les segments
verts partagent
le cercle
trigonométrique
en douze angles
de 30° et les
segments bleus
en huit angles
de 45° .**



Mesure d'un angle

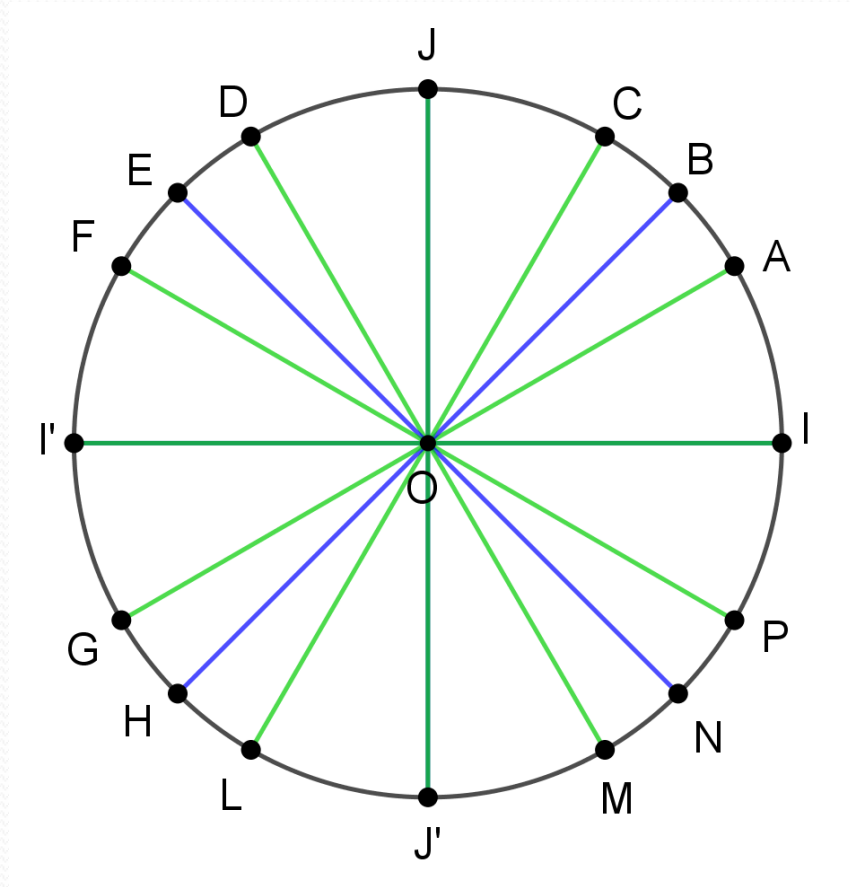
Dans chaque cas, donner
une mesure en radian
de l'angle indiqué.

Question 1



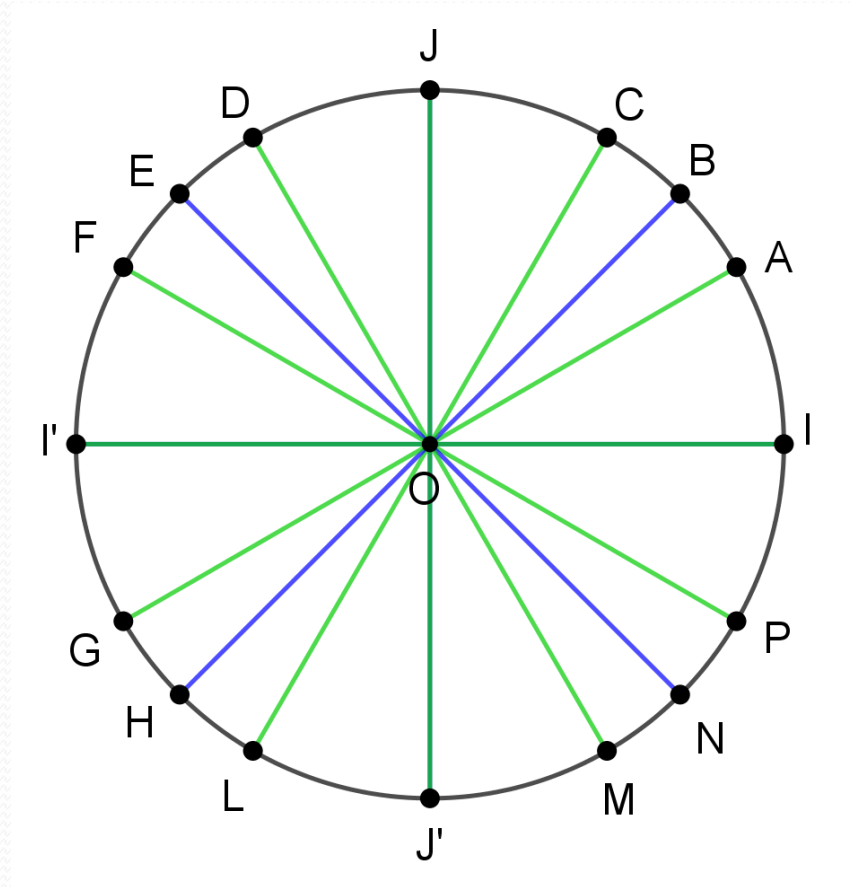
$$\widehat{IOA} = \dots \text{ rad}$$

Question 2



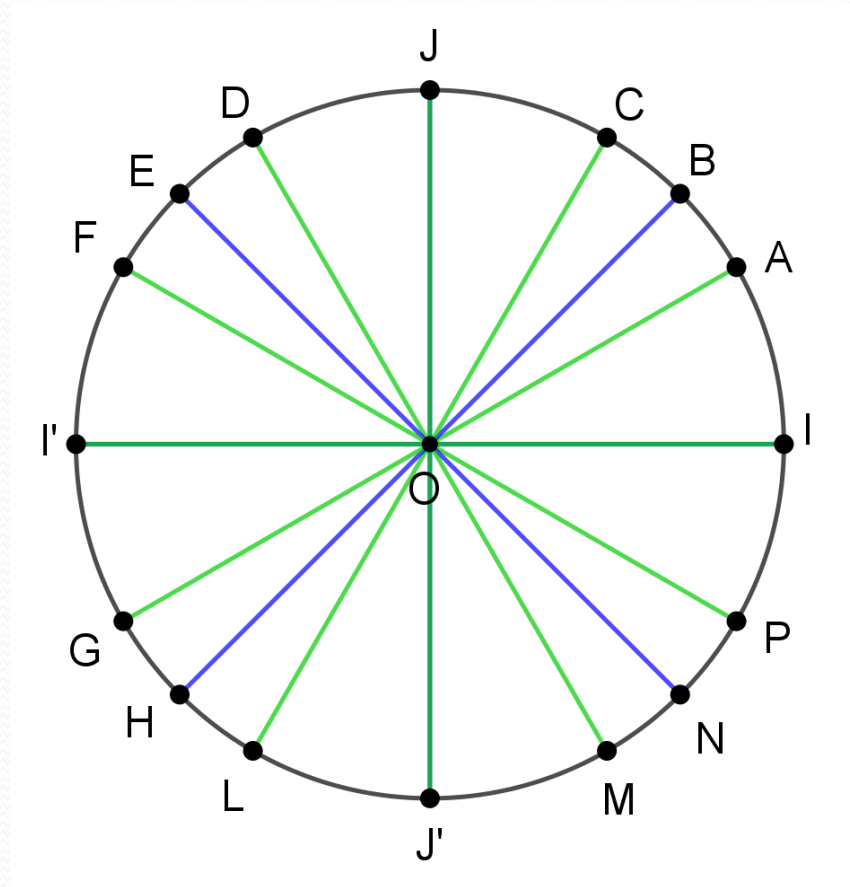
$$\widehat{\text{IOF}} = \dots \text{rad}$$

Question 3



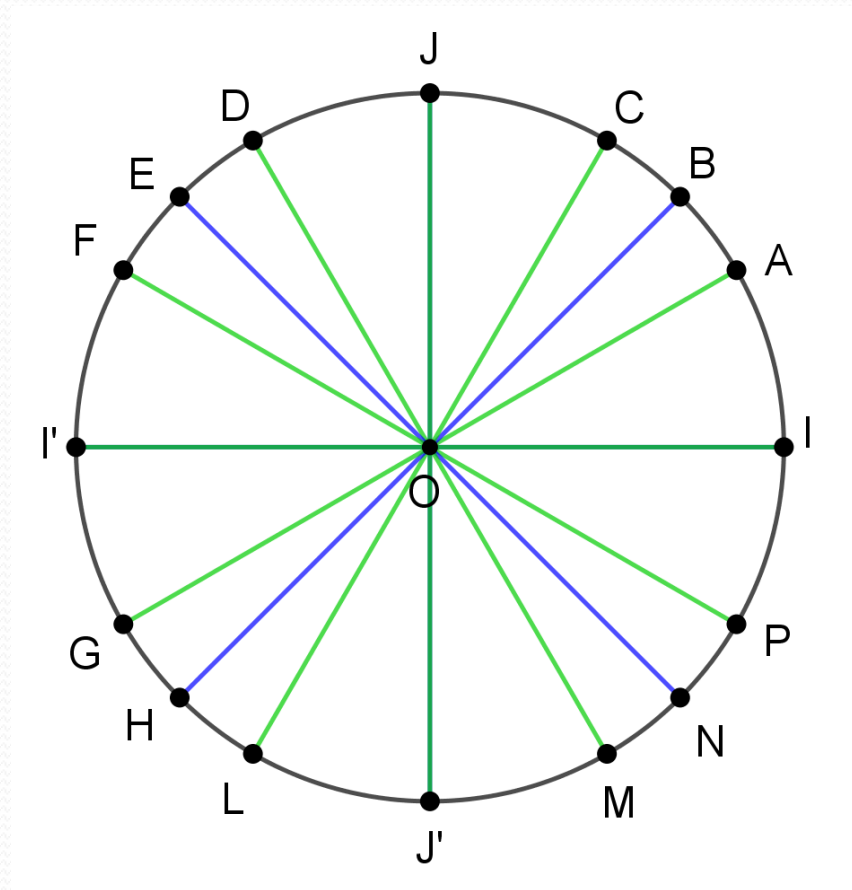
$$\widehat{I\hat{O}N} = \dots \text{rad}$$

Question 4



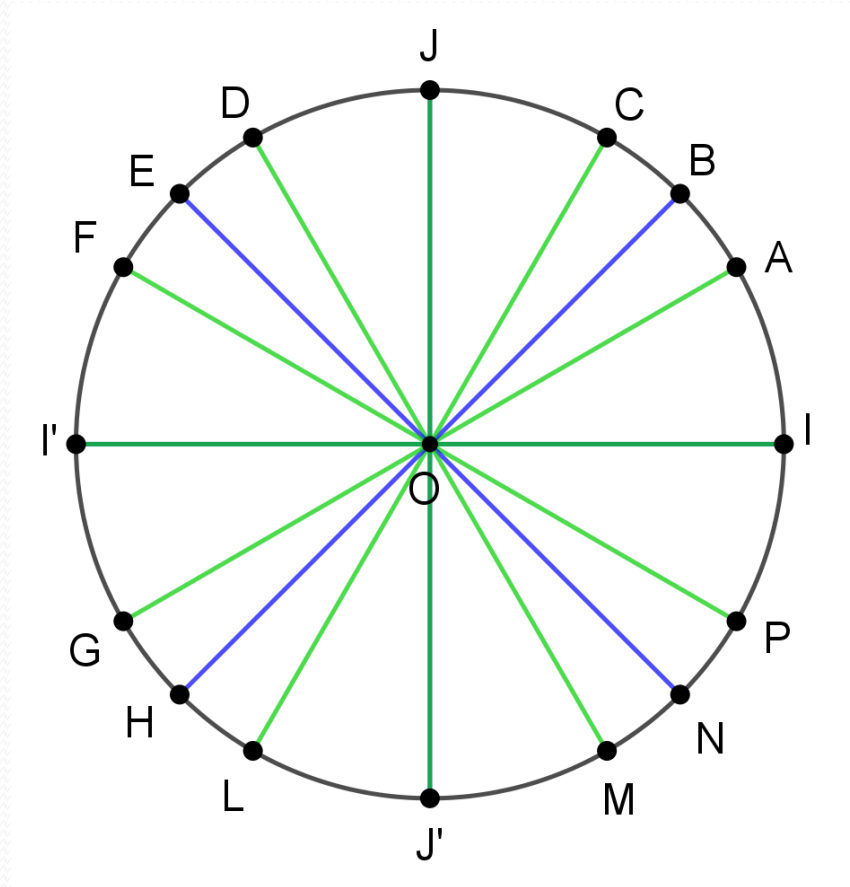
$$\widehat{I O J'} = \dots \text{rad}$$

Question 5



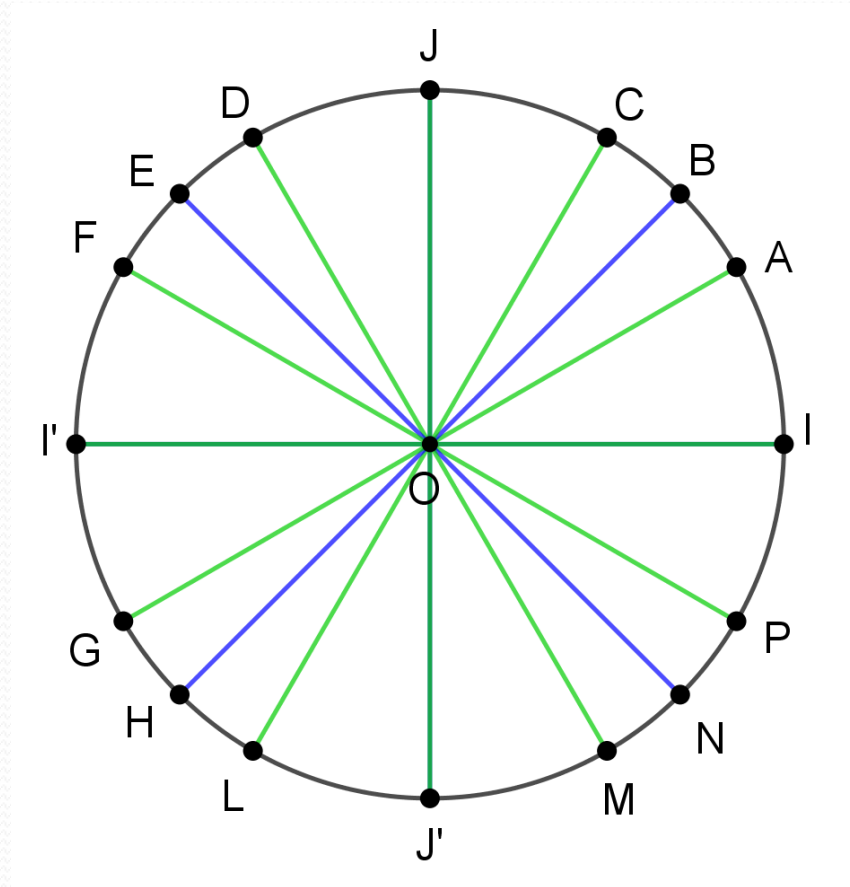
$$\widehat{IOI'} = \dots \text{ rad}$$

Question 6



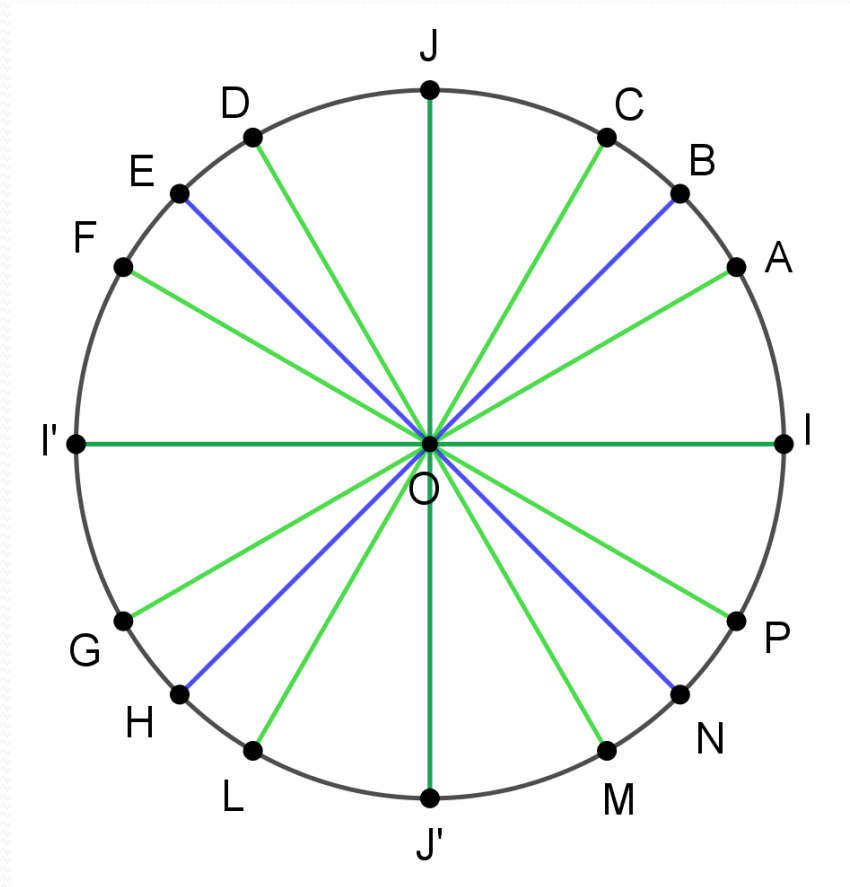
$$\widehat{FÔI'} = \dots \text{rad}$$

Question 7



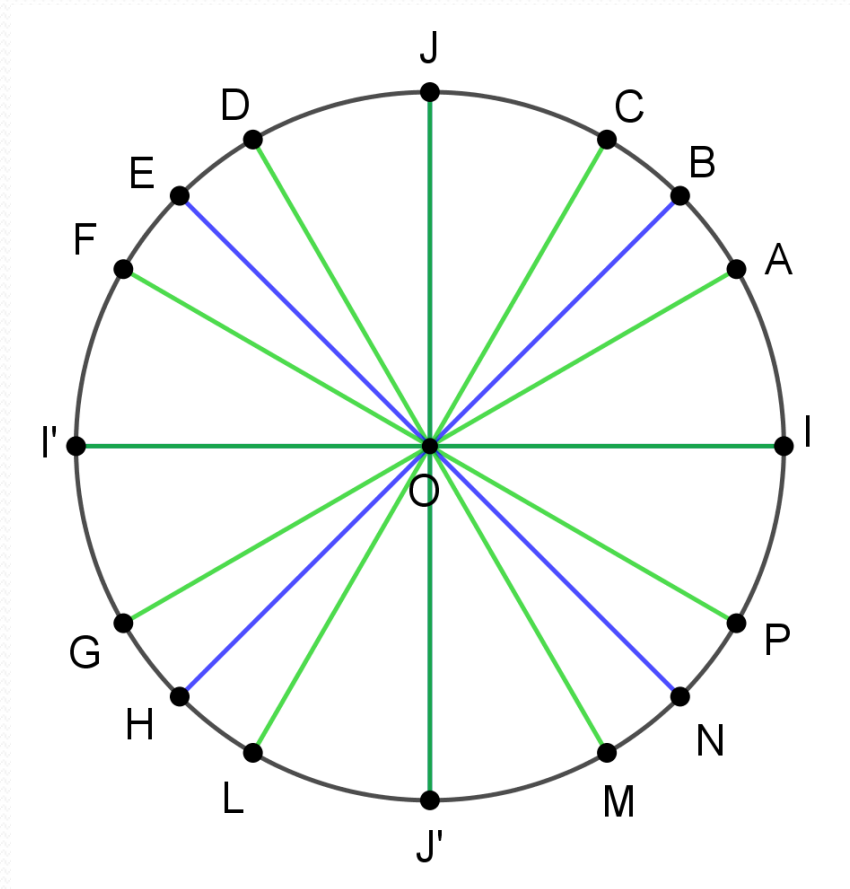
$$\widehat{JOM} = \dots \text{rad}$$

Question 8



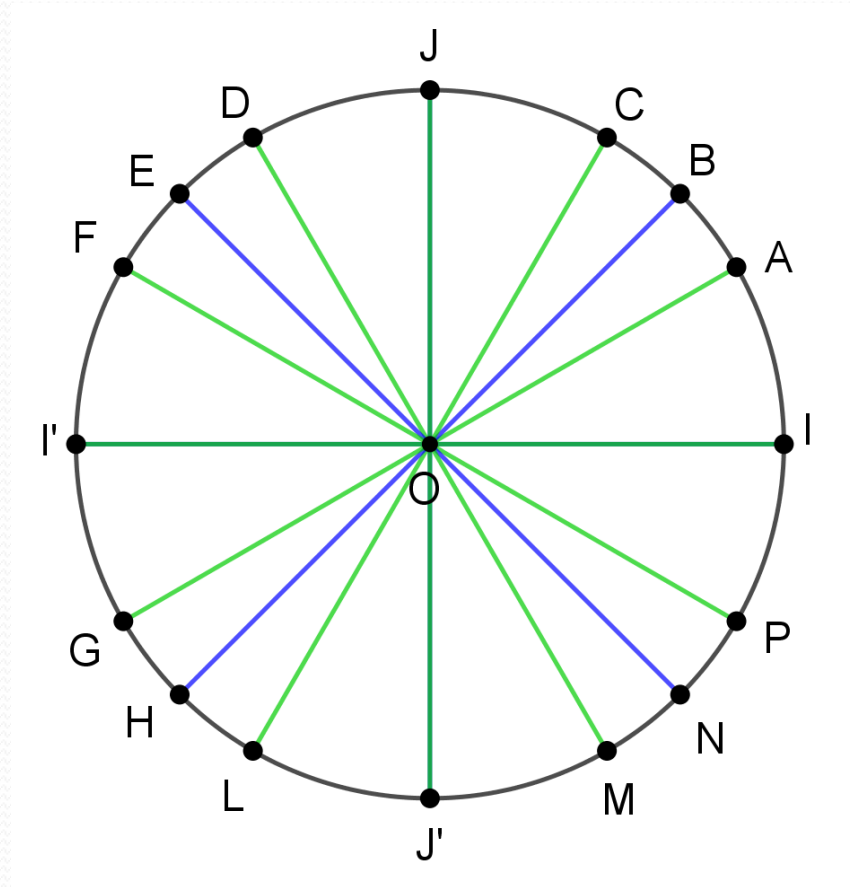
$$\widehat{GOP} = \dots \text{ rad}$$

Question 9



$$\widehat{MOD} = \dots \text{ rad}$$

Question 10

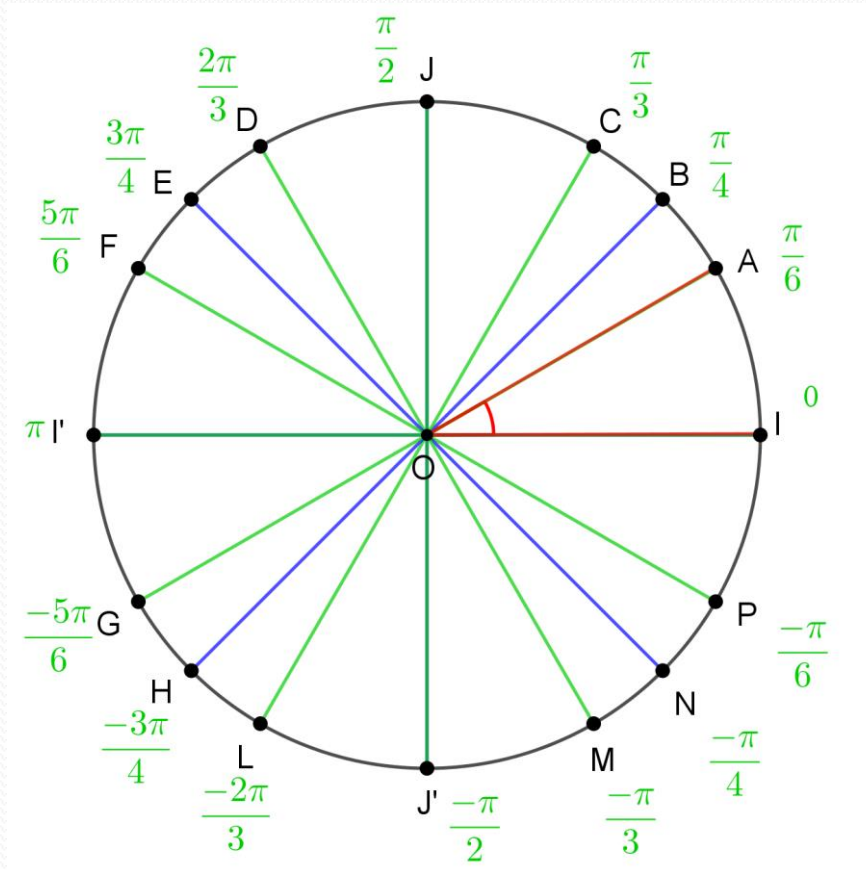


$$\widehat{NOG} = \dots \text{ rad}$$

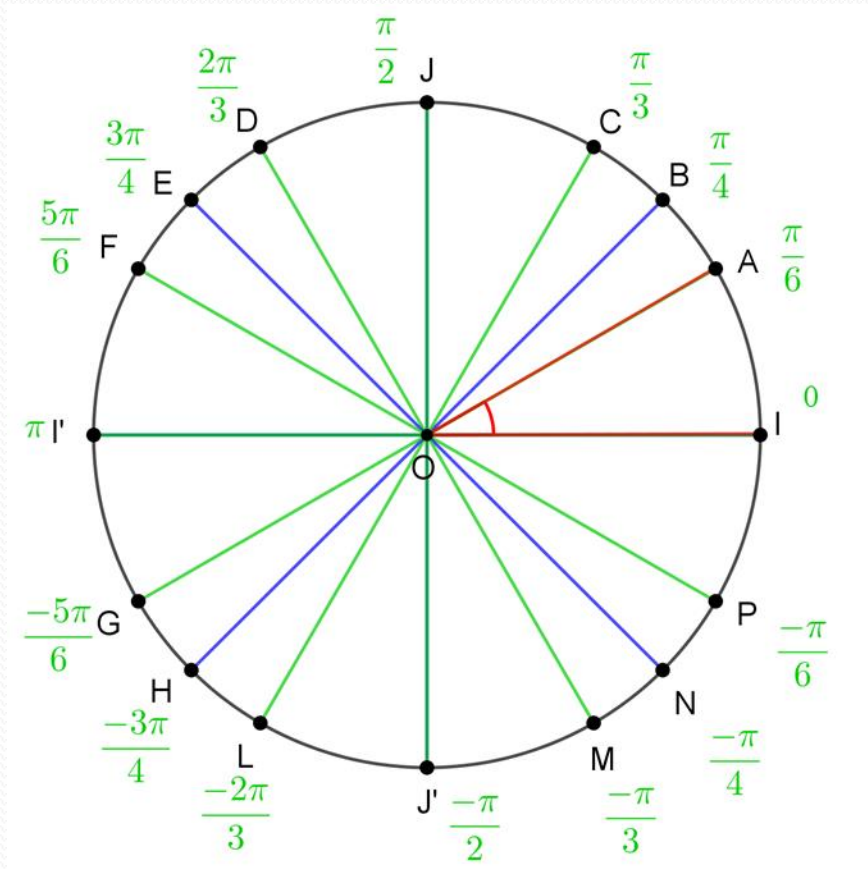
Correction

Activités mentales et automatismes en classe de première
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Question 1

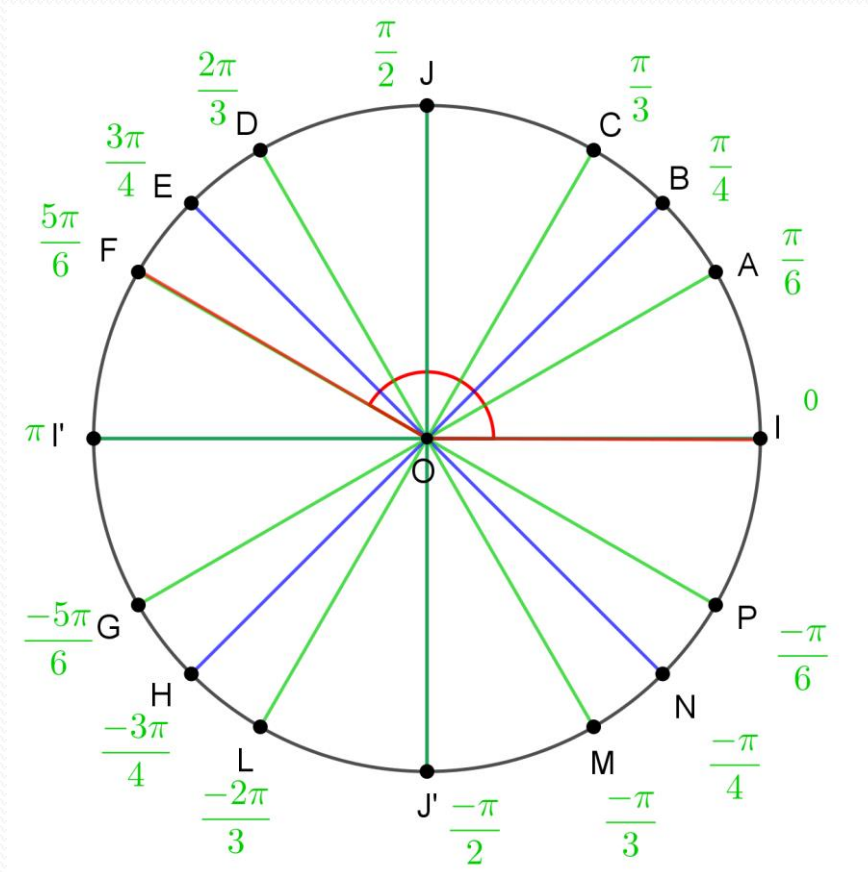


Question 1

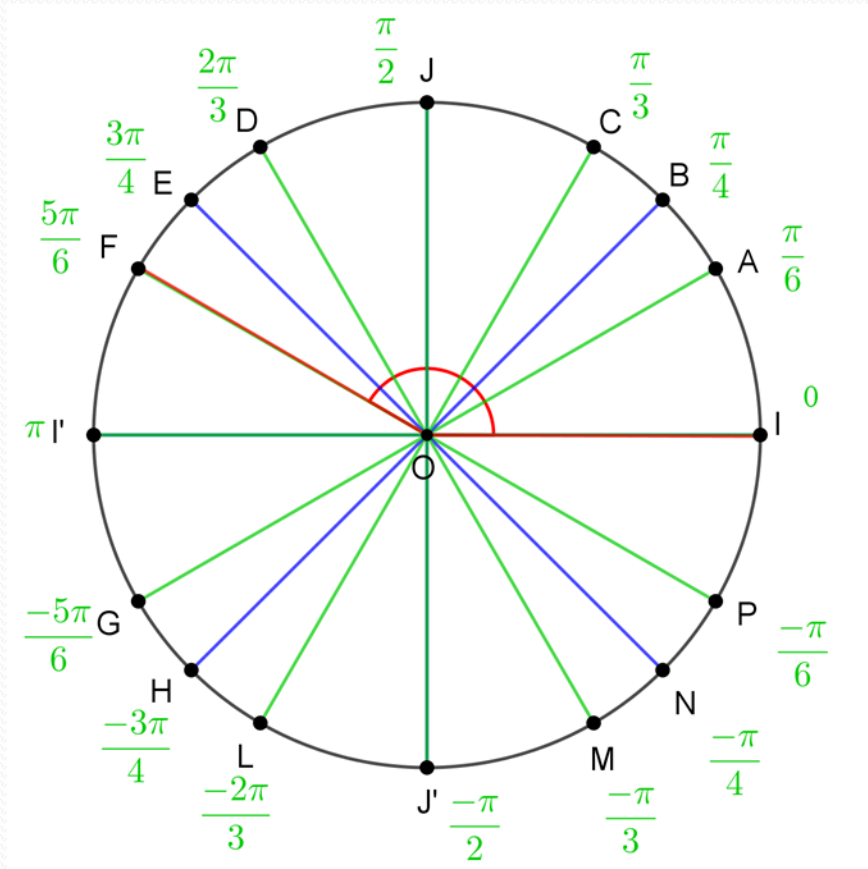


$$\widehat{IÔA} = \frac{\pi}{6} \text{ rad}$$

Question 2

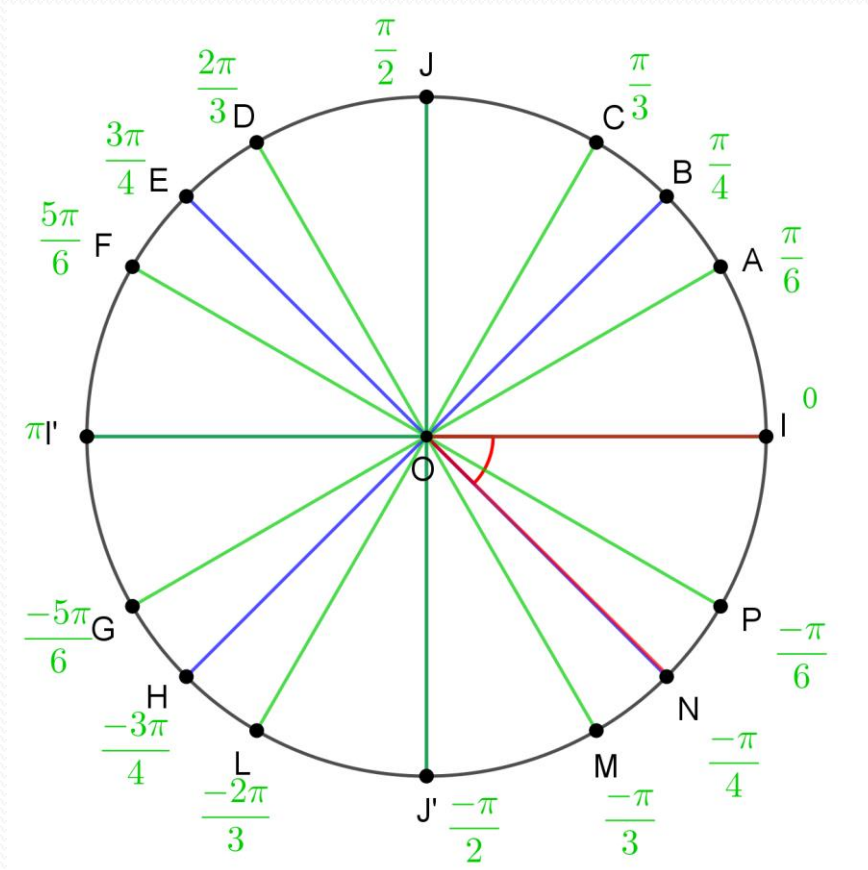


Question 2

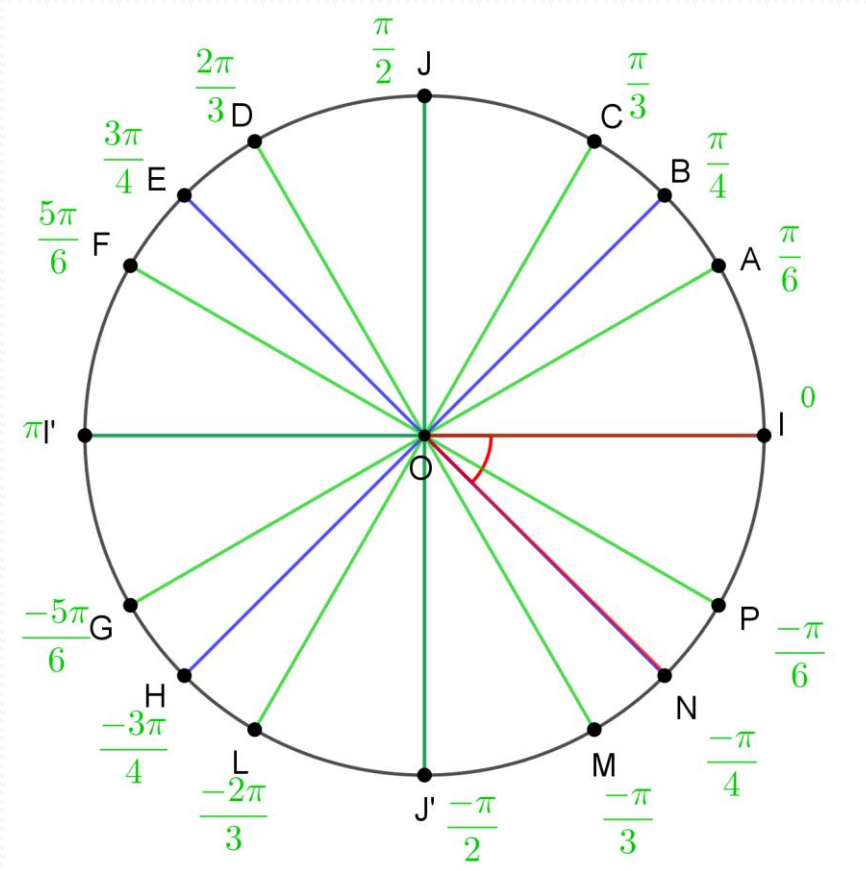


$$\widehat{IÔF} = \frac{5\pi}{6} \text{ rad}$$

Question 3

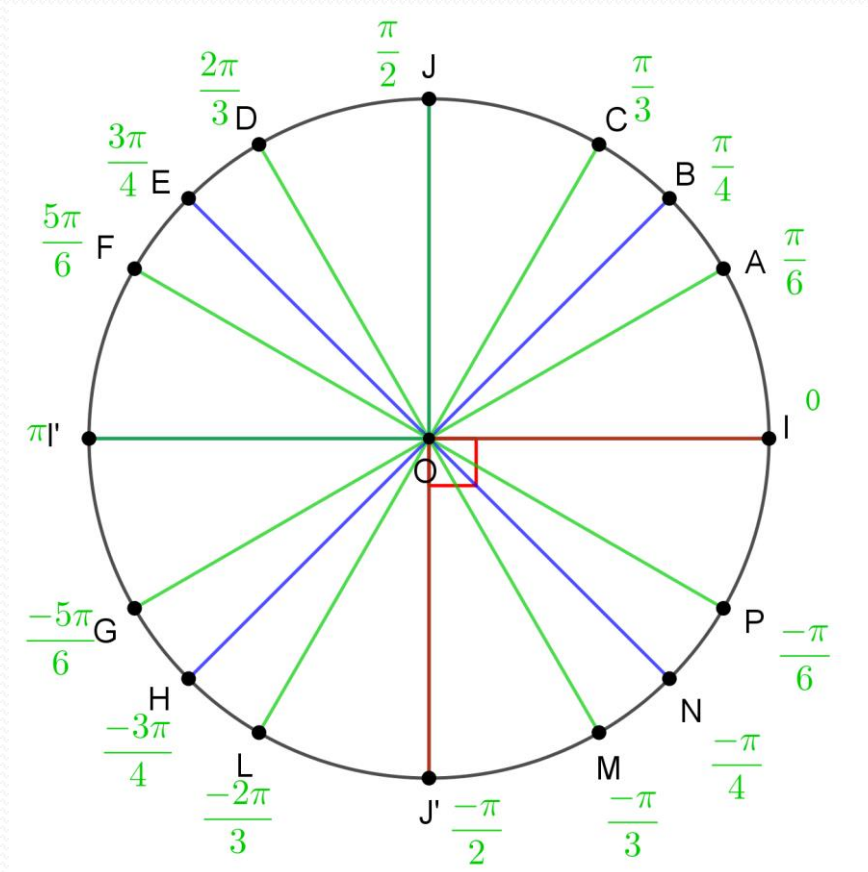


Question 3

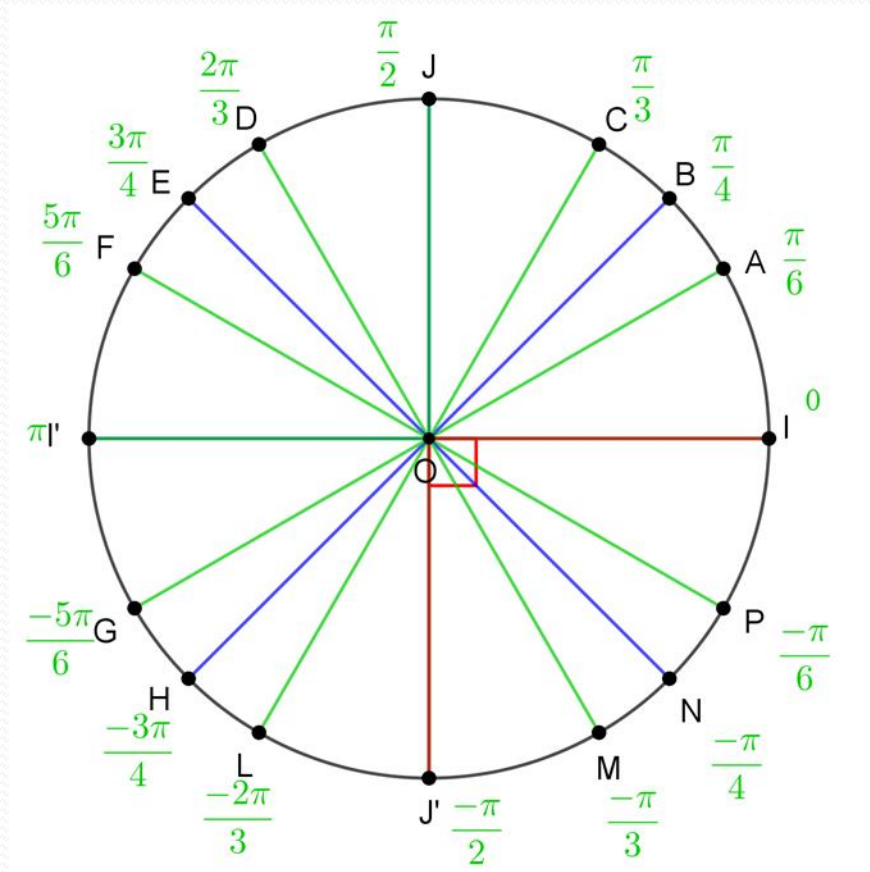


$$\widehat{\text{ION}} = \frac{\pi}{4} \text{ rad}$$

Question 4

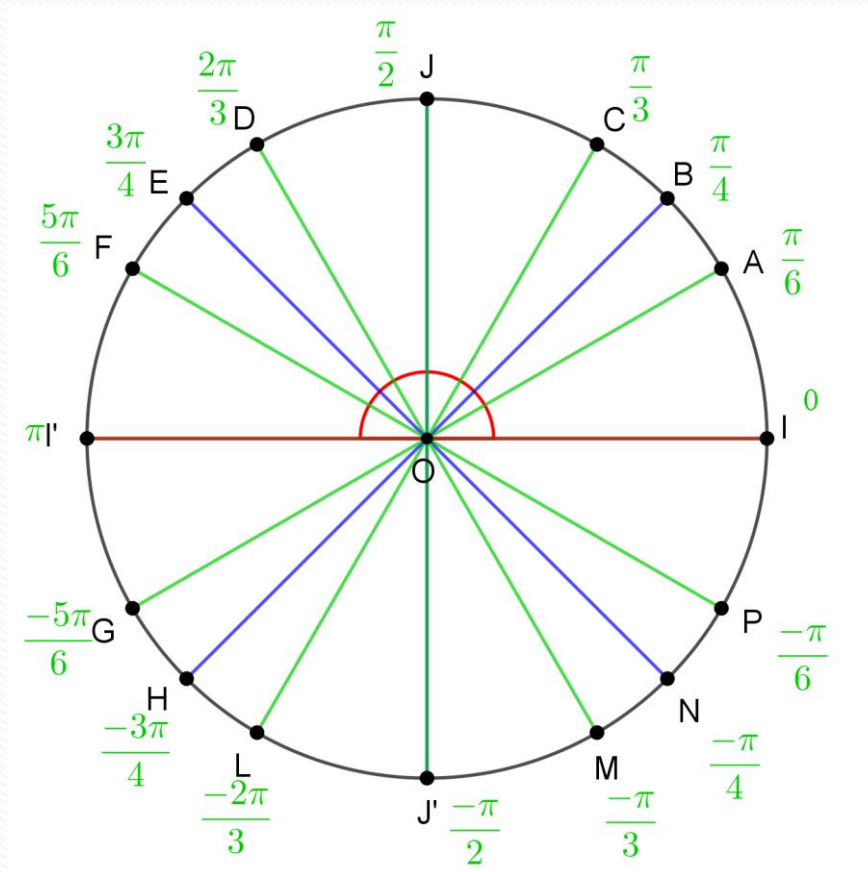


Question 4

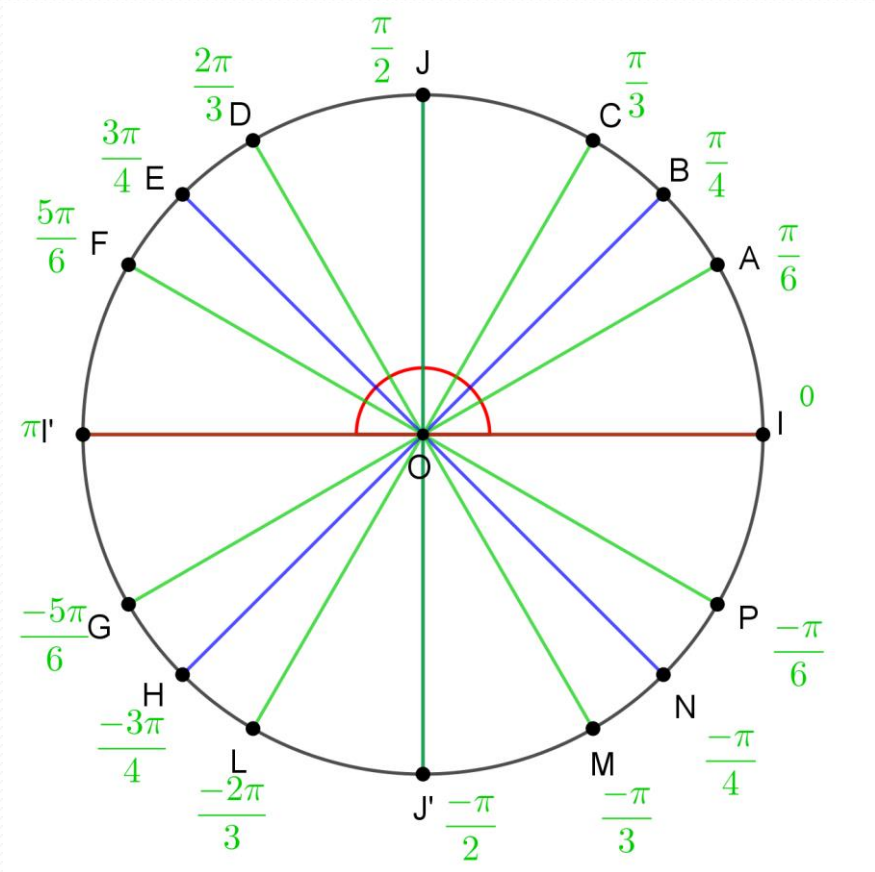


$$\widehat{IOJ'} = \frac{\pi}{2} \text{ rad}$$

Question 5

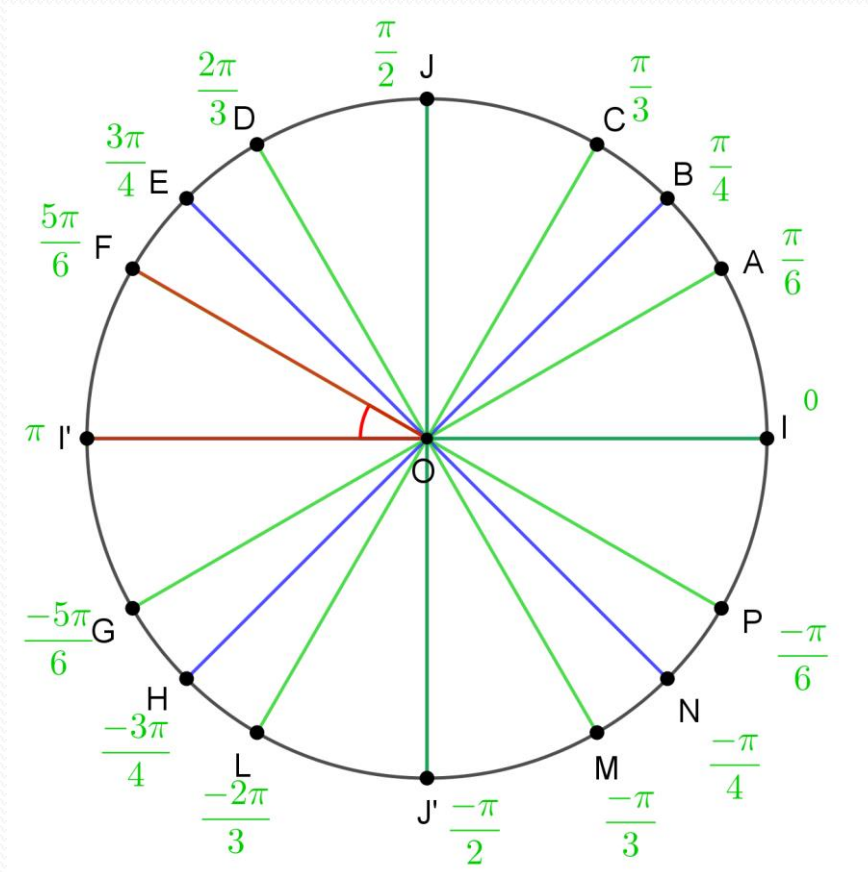


Question 5

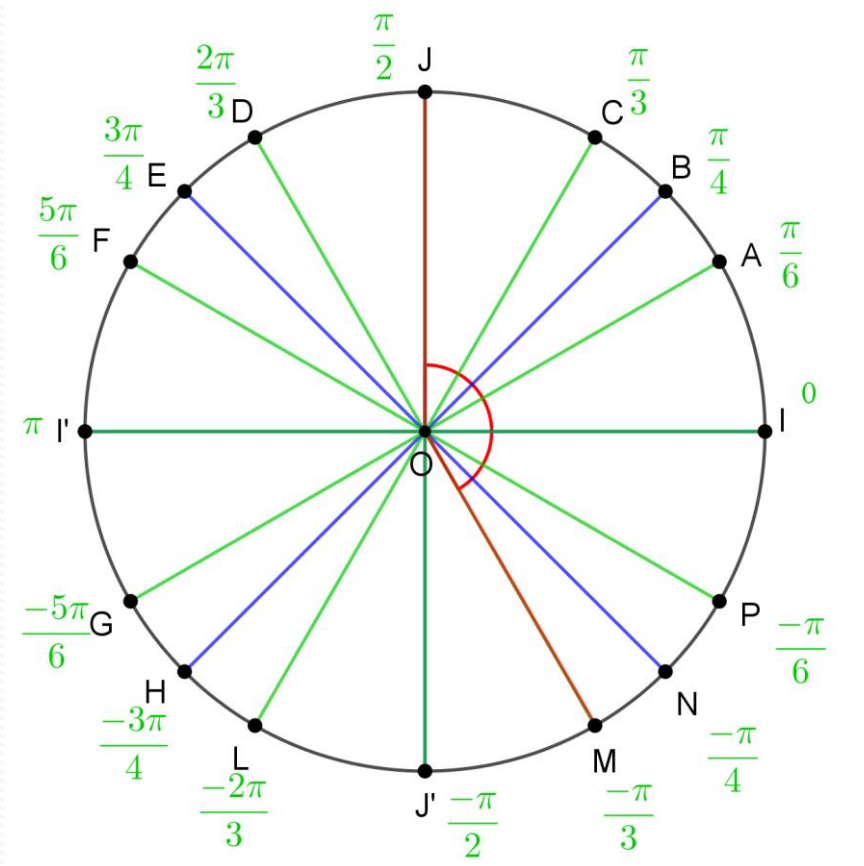


$$\widehat{\text{IOI}}' = \pi \text{ rad}$$

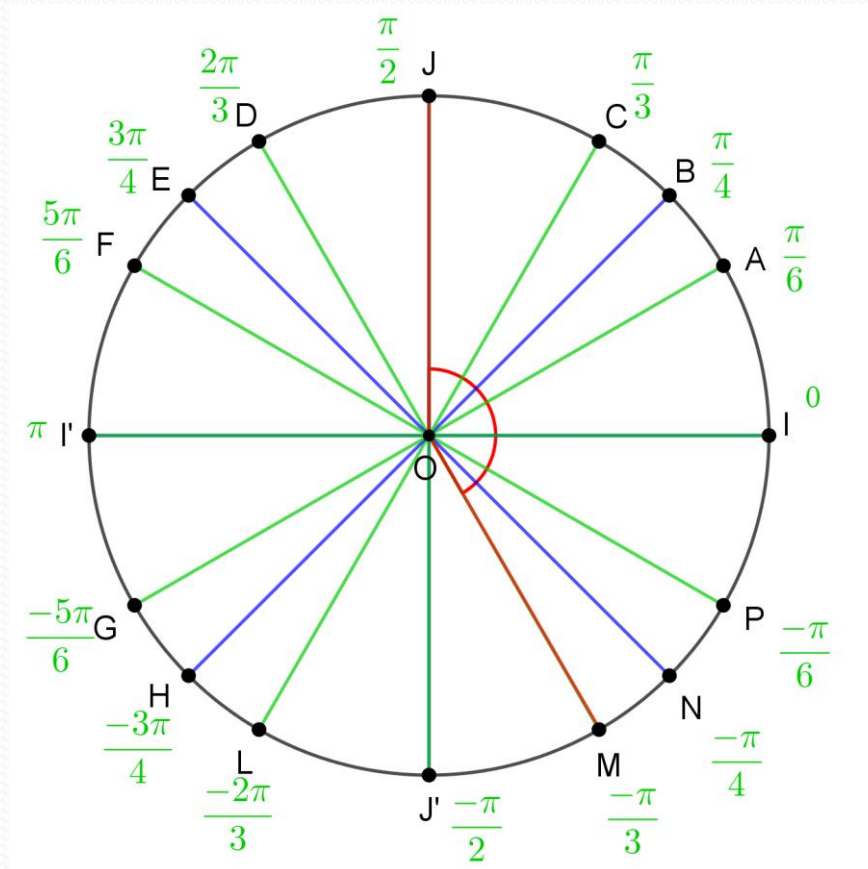
Question 6



Question 7

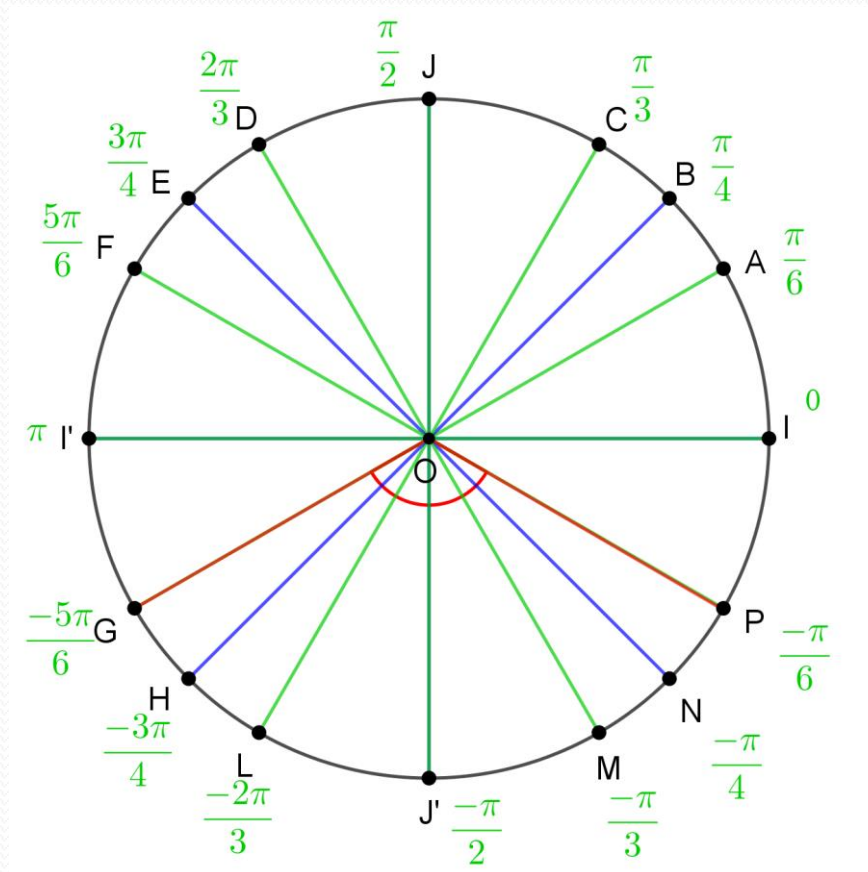


Question 7

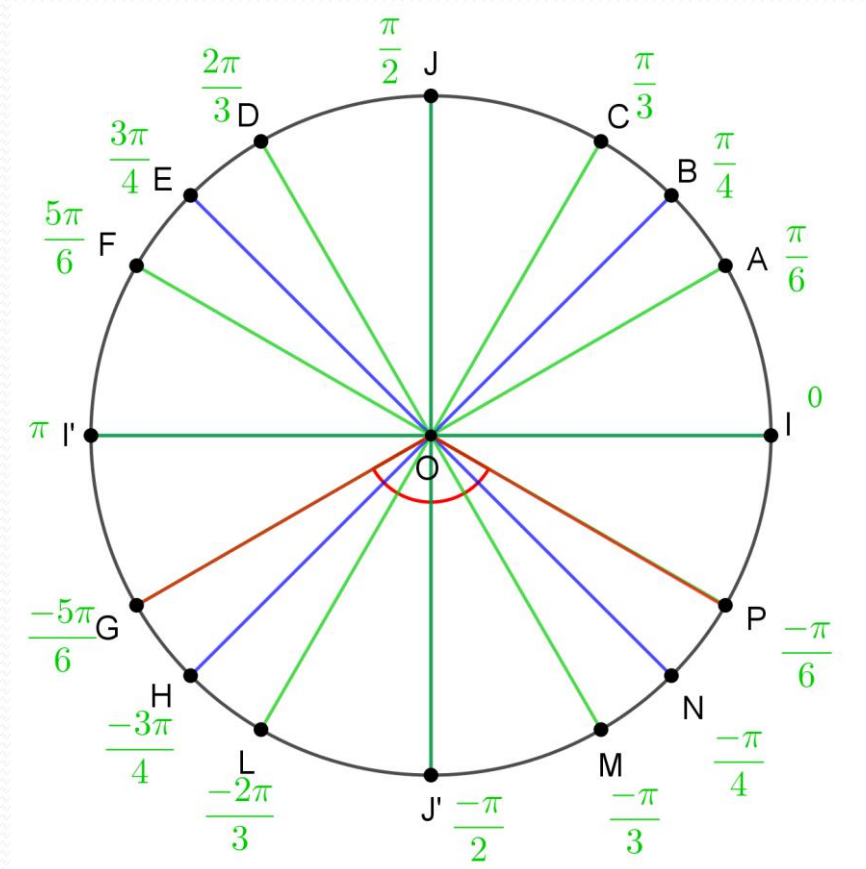


$$\widehat{JOM} = \frac{\pi}{3} + \frac{\pi}{2} = \frac{5\pi}{6} \text{ rad}$$

Question 8

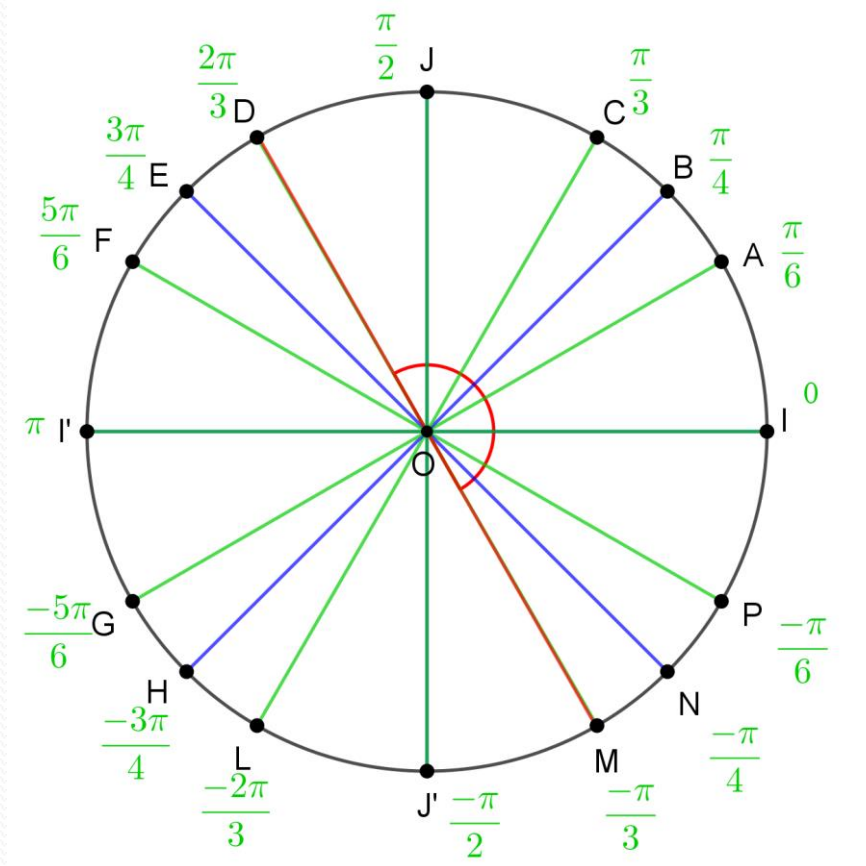


Question 8

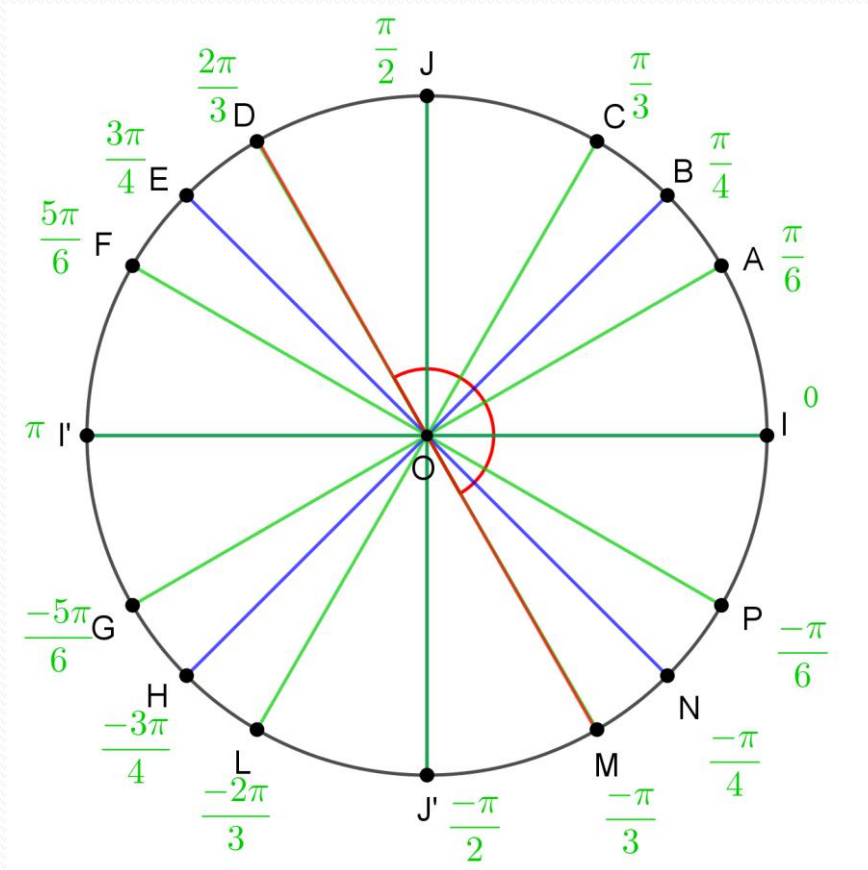


$$\widehat{GOP} = \frac{5\pi}{6} - \frac{\pi}{6} = \frac{4\pi}{6} = \frac{2\pi}{3} \text{ rad}$$

Question 9

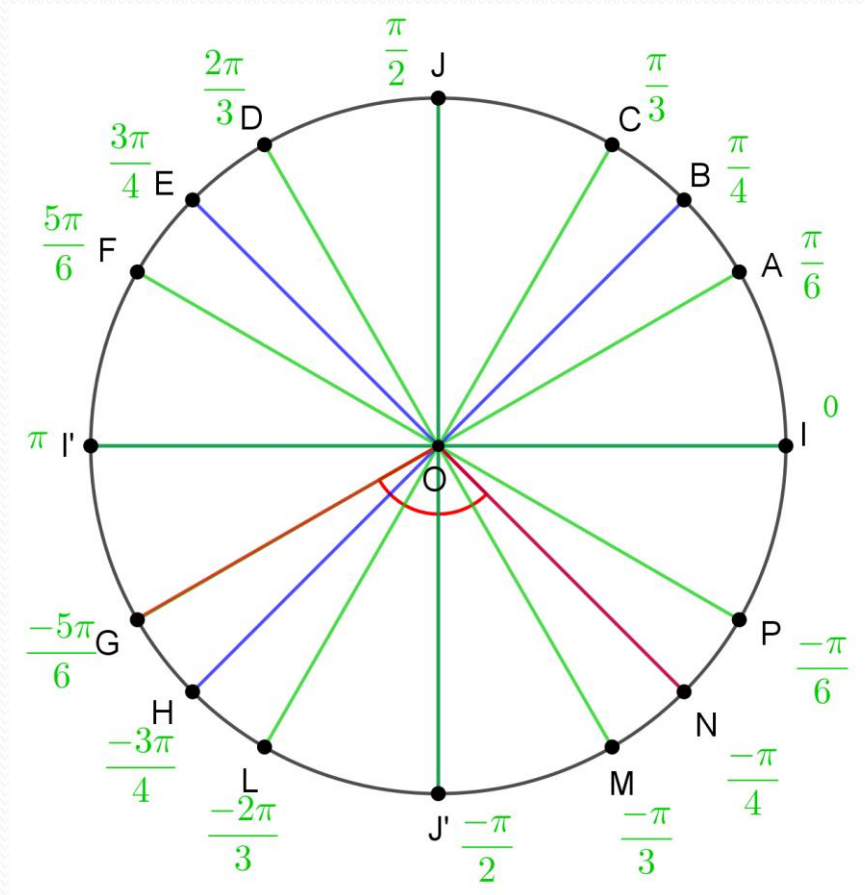


Question 9

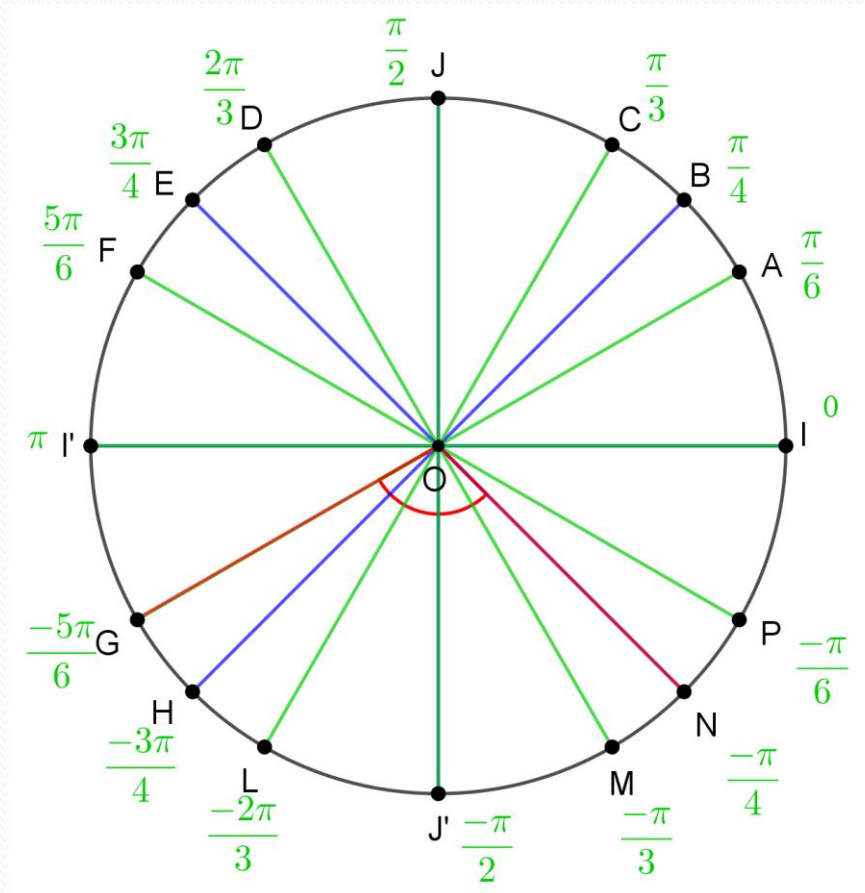


$$\widehat{\text{MOD}} = \pi \text{ rad}$$

Question 10



Question 10



$$\widehat{\text{NOG}} = \frac{5\pi}{6} - \frac{\pi}{4} = \frac{7\pi}{12} \text{ rad}$$

Fin

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