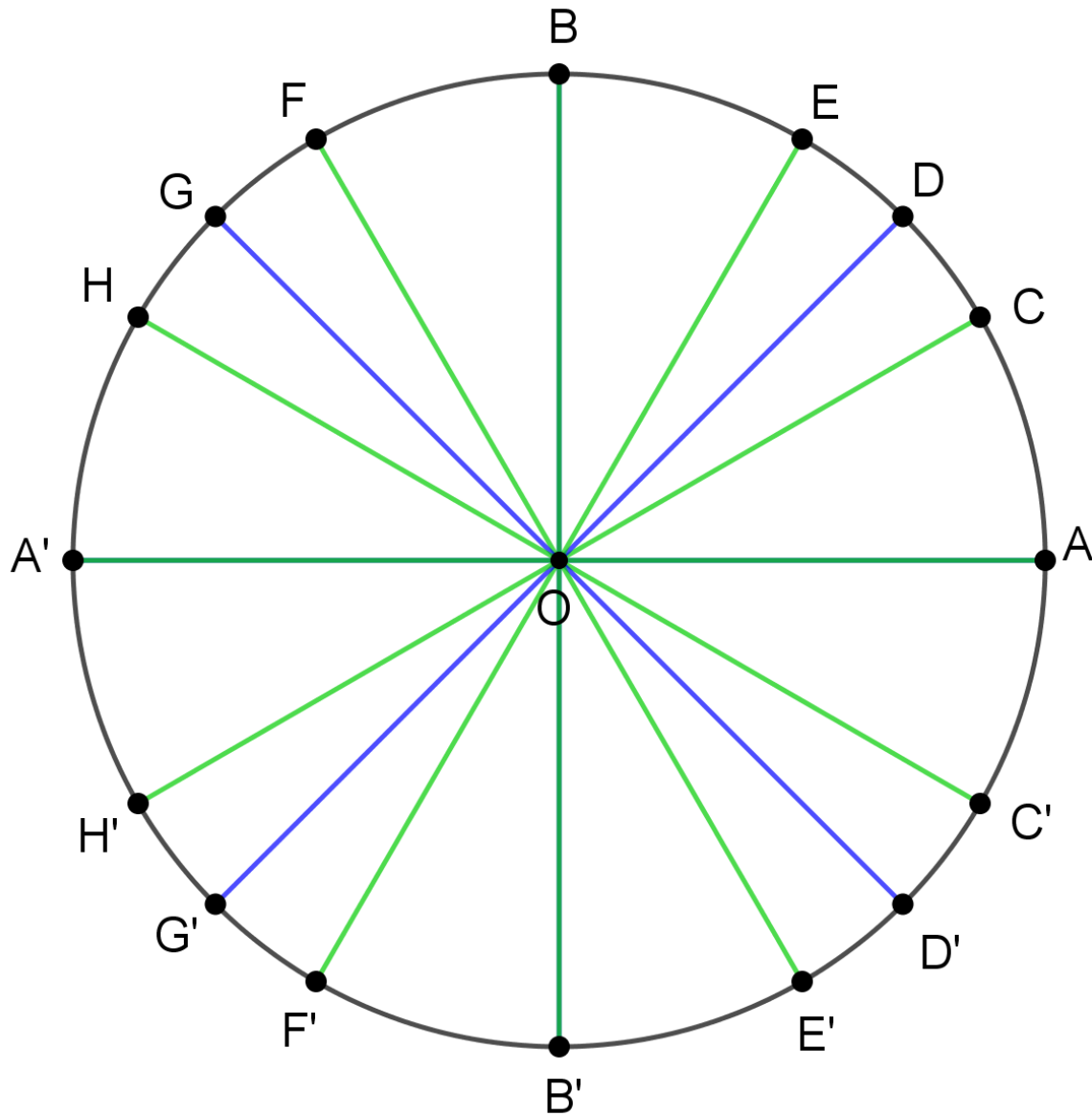


# Trigonométrie

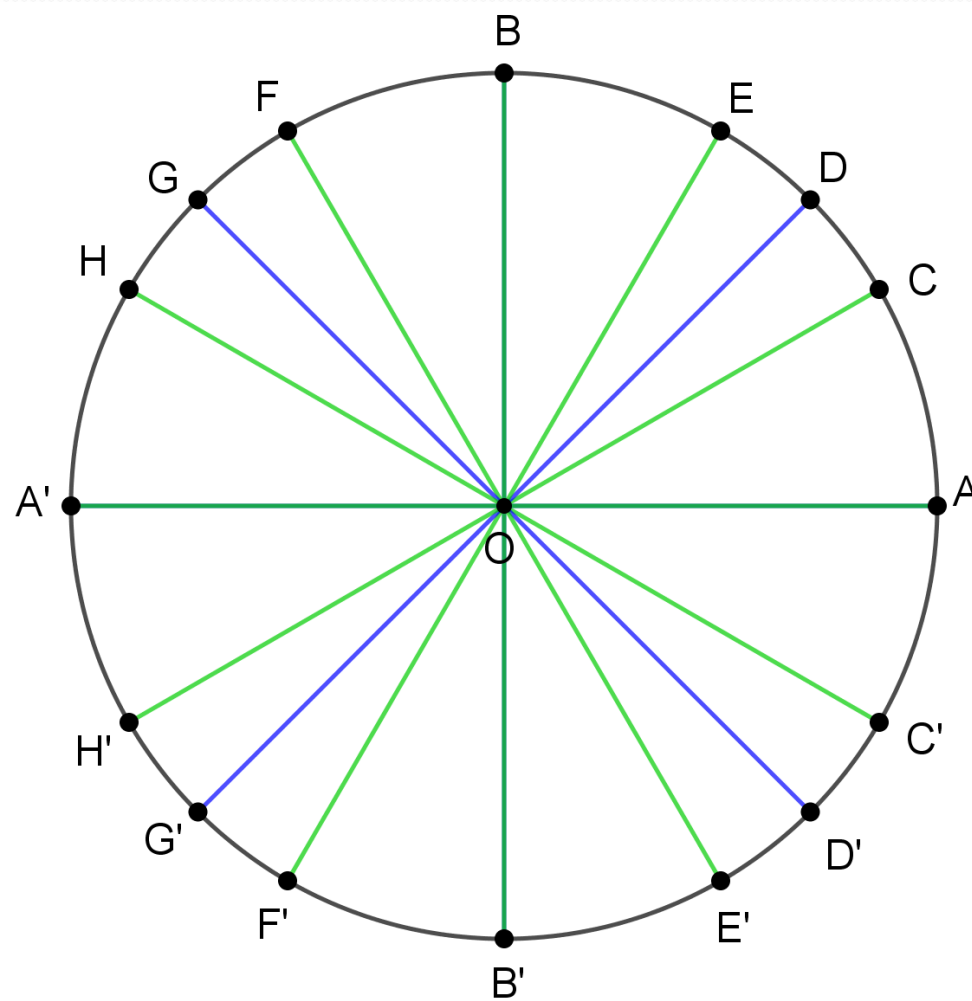
## Série 2

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

**Les segments  
verts partagent  
le cercle  
trigonométrique  
en douze angles  
de  $30^\circ$  et les  
segments bleus  
en huit angles  
de  $45^\circ$ .**

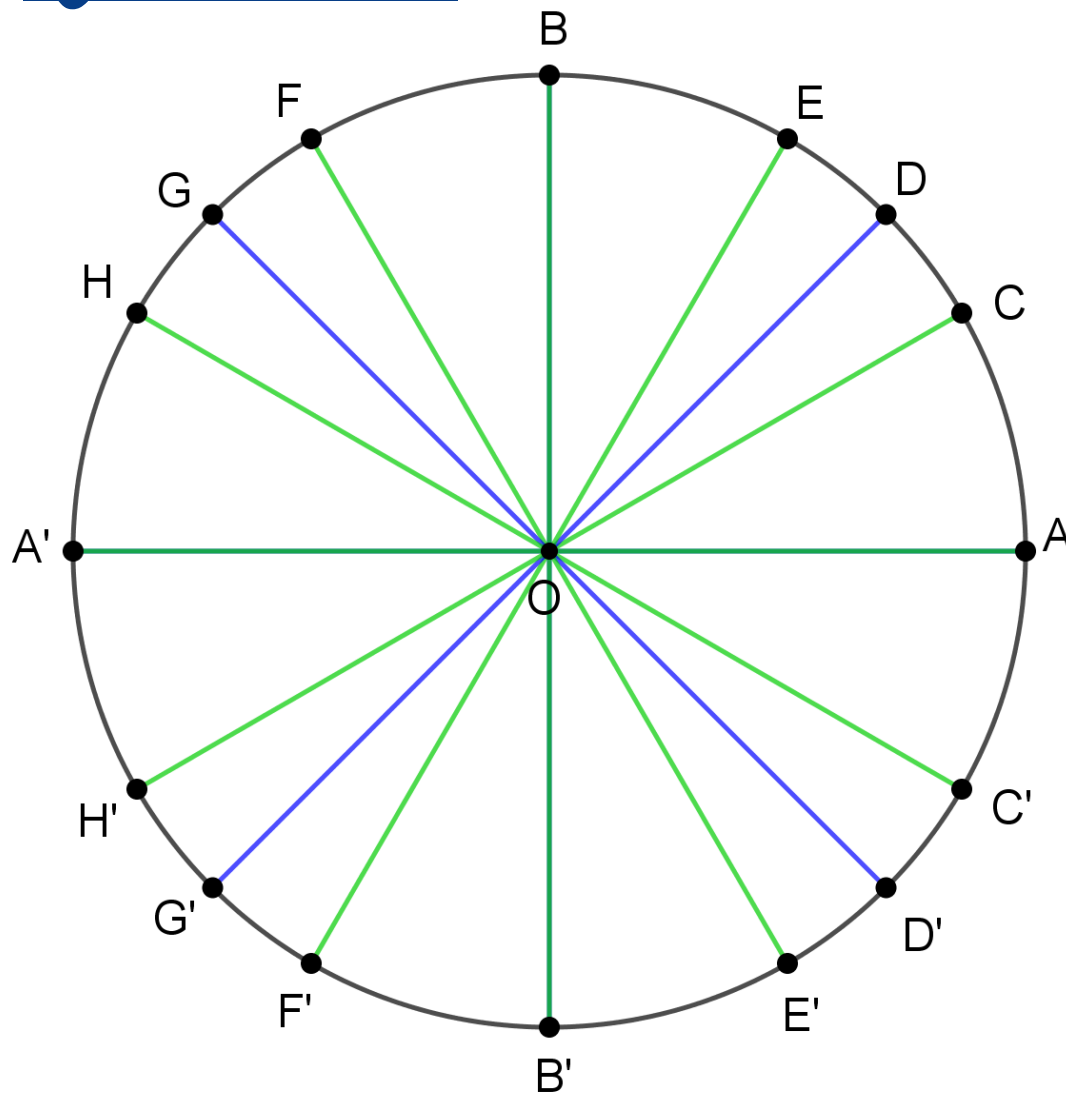


**Associer chacun des nombres  
donnés à un point du cercle.**



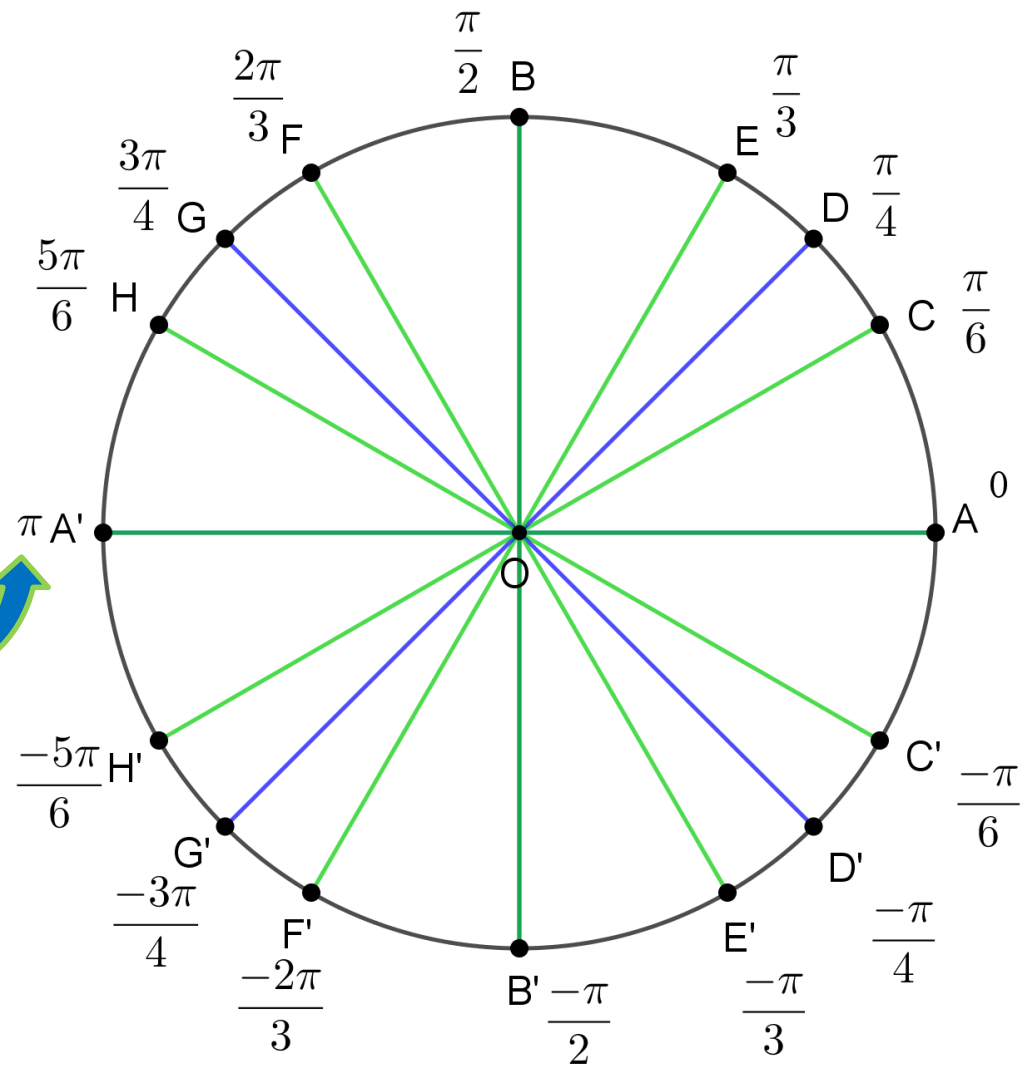
## Question 0

$\pi$



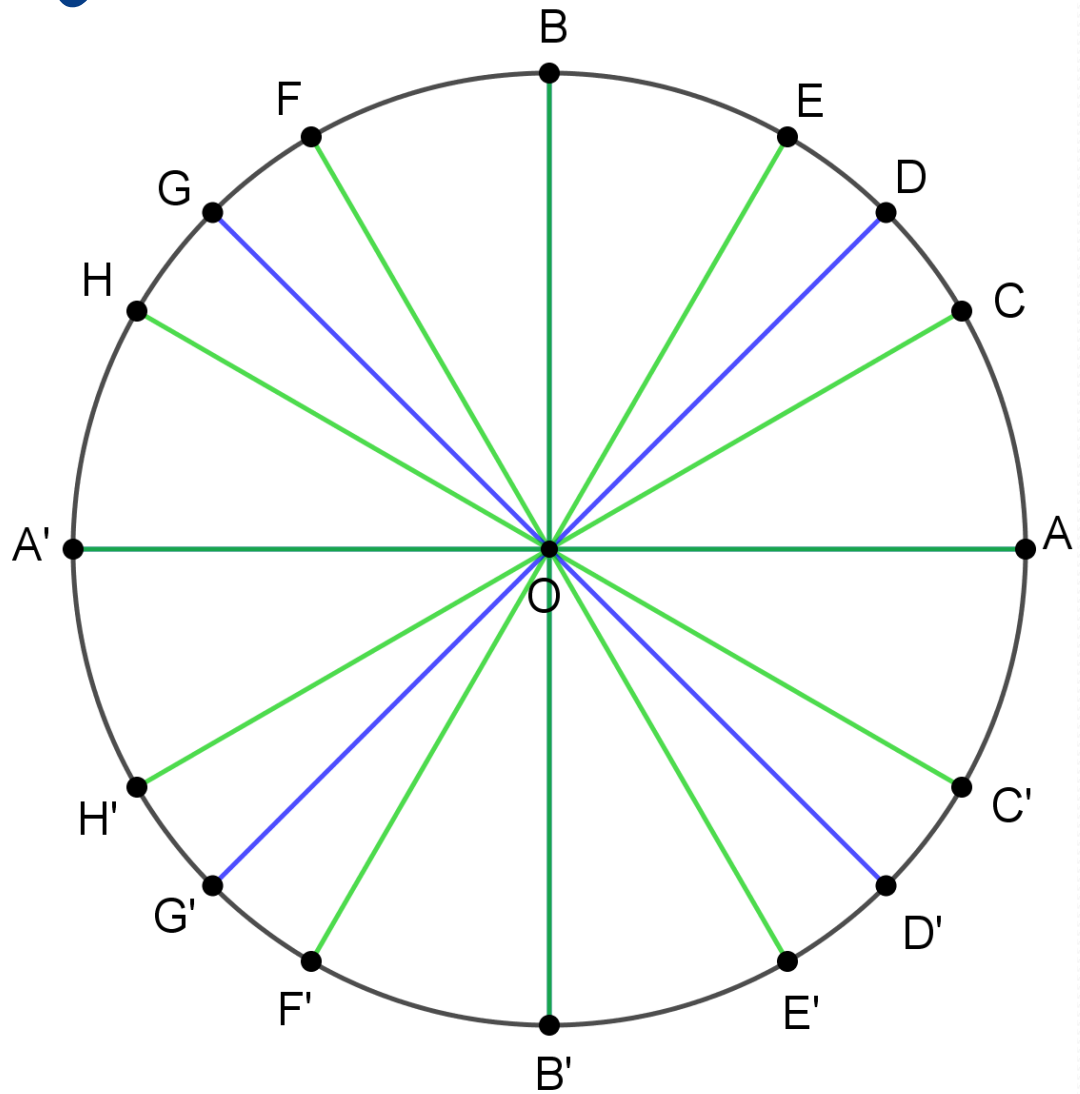
# Question 0

$\pi$



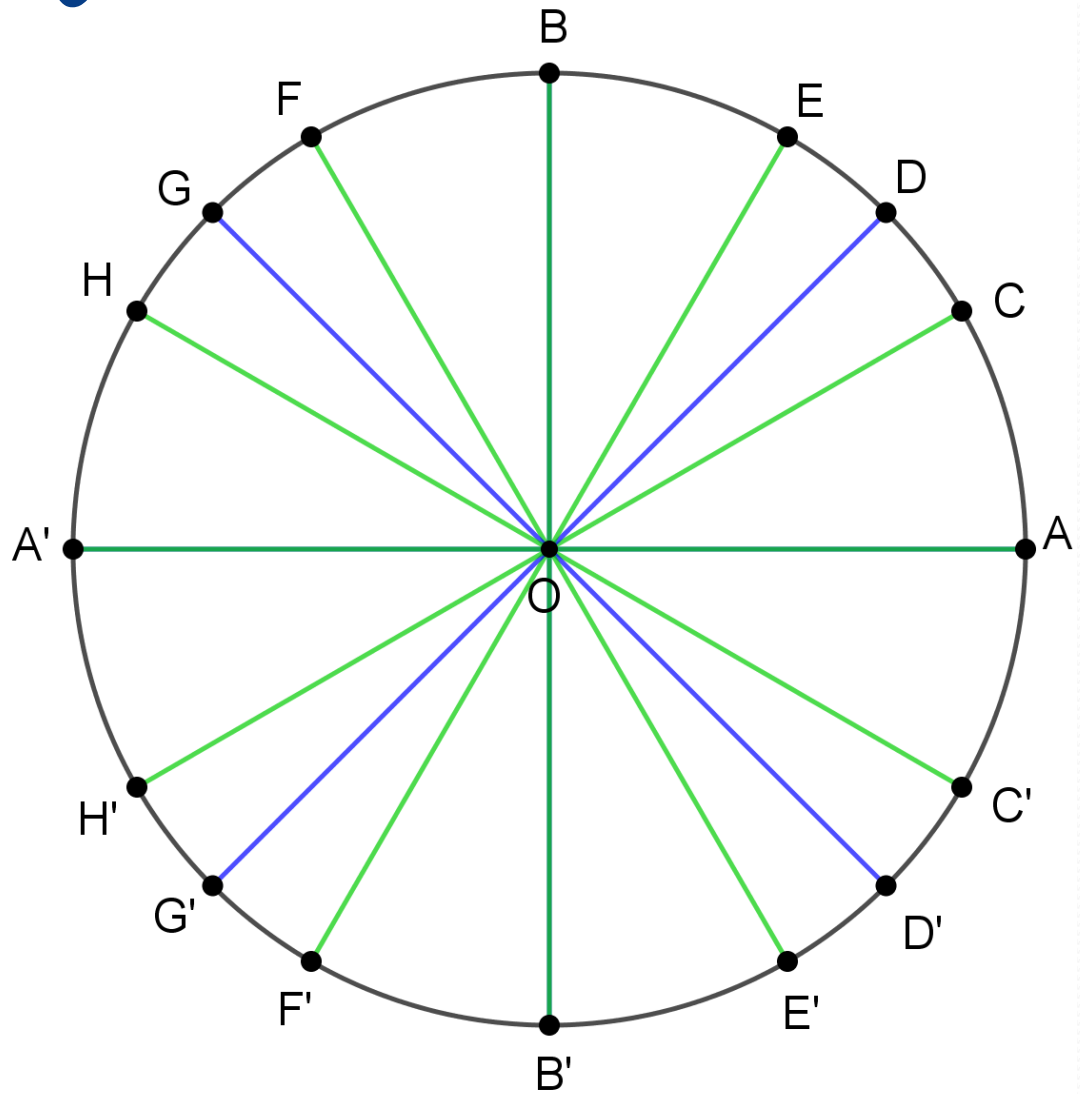
## Question 1

$\pi$   
—  
2



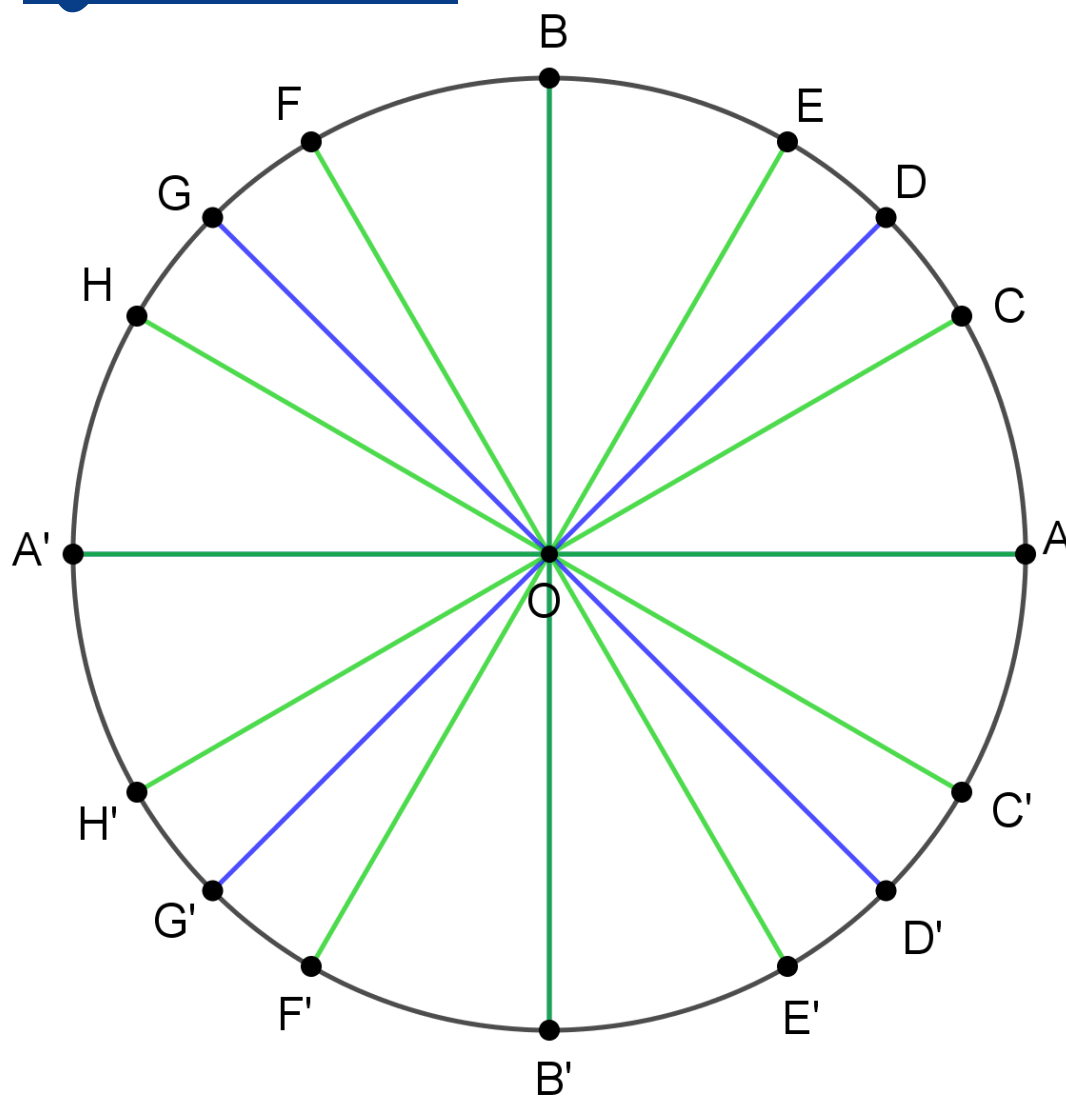
## Question 2

$\pi$   
—  
4



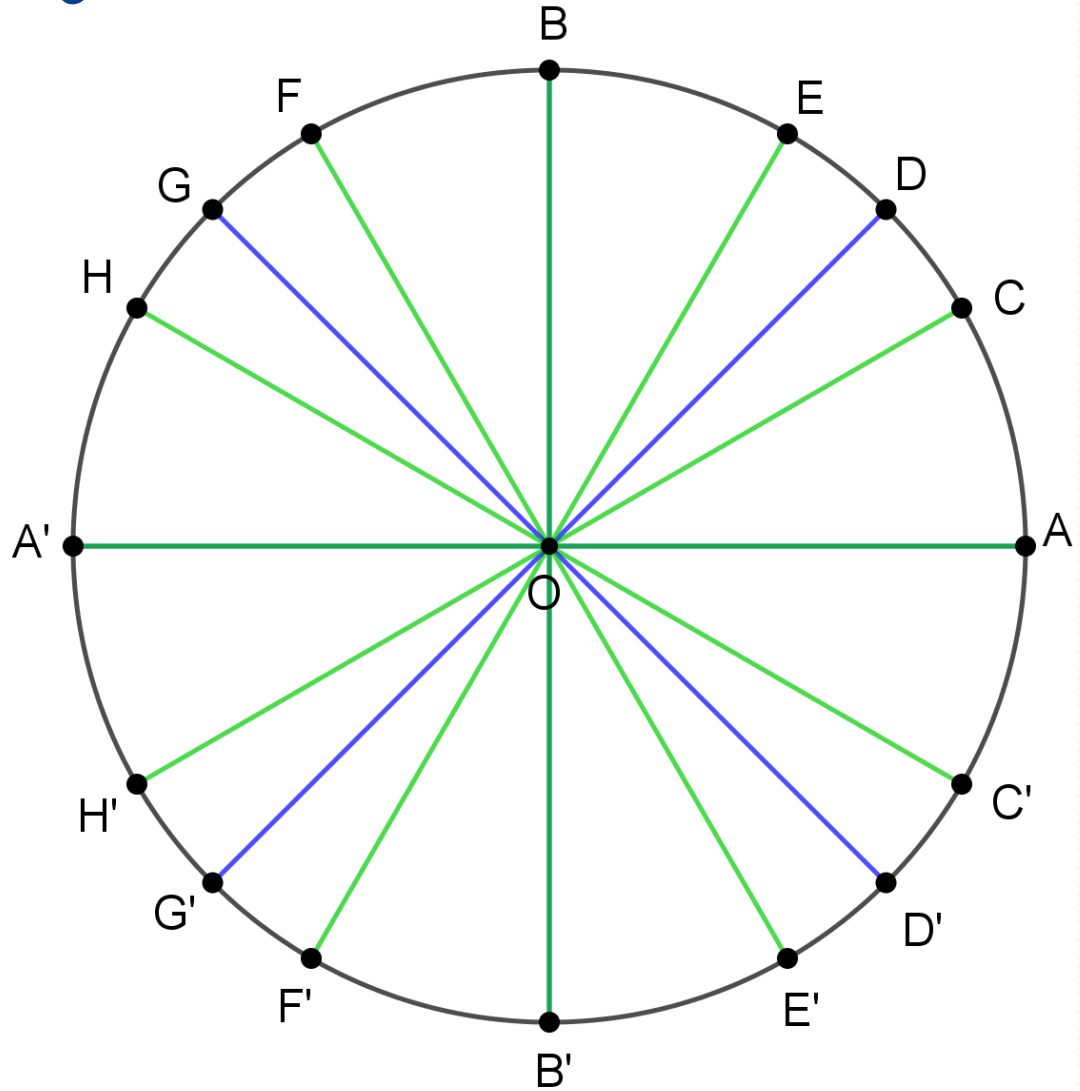
### Question 3

$$-\frac{\pi}{4}$$



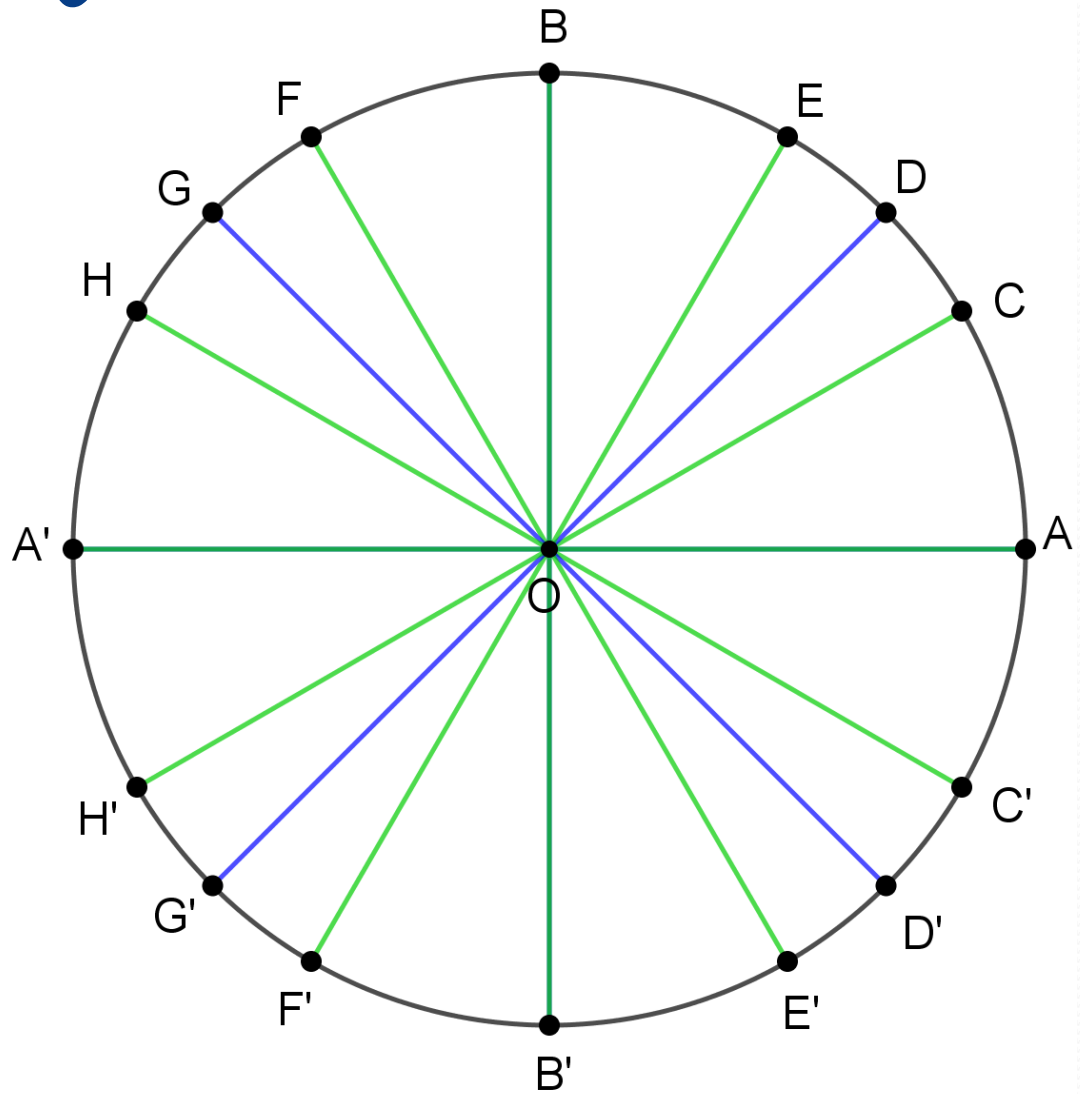
## Question 4

$$\frac{2\pi}{3}$$



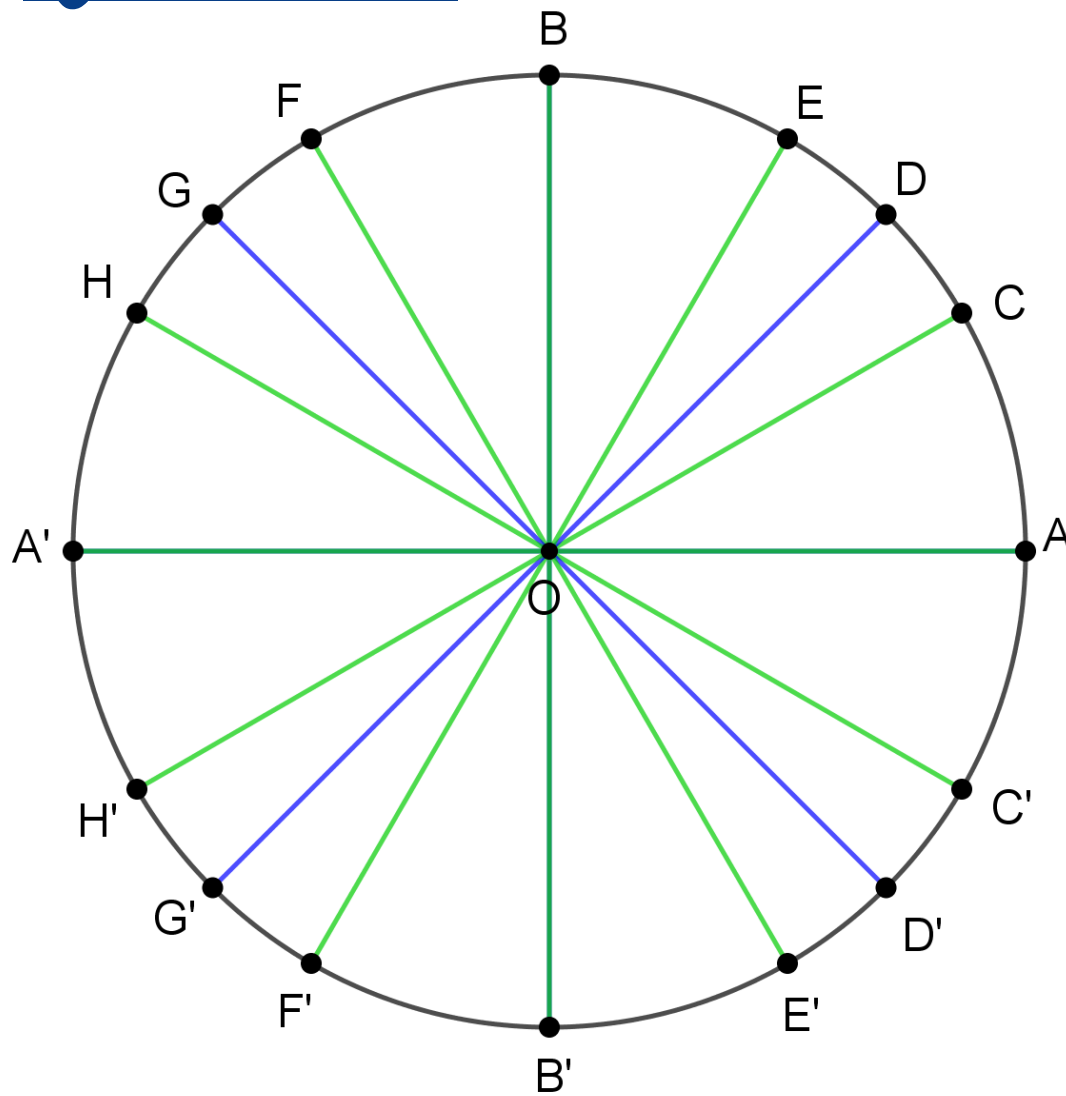
## Question 5

$$-\frac{\pi}{3}$$



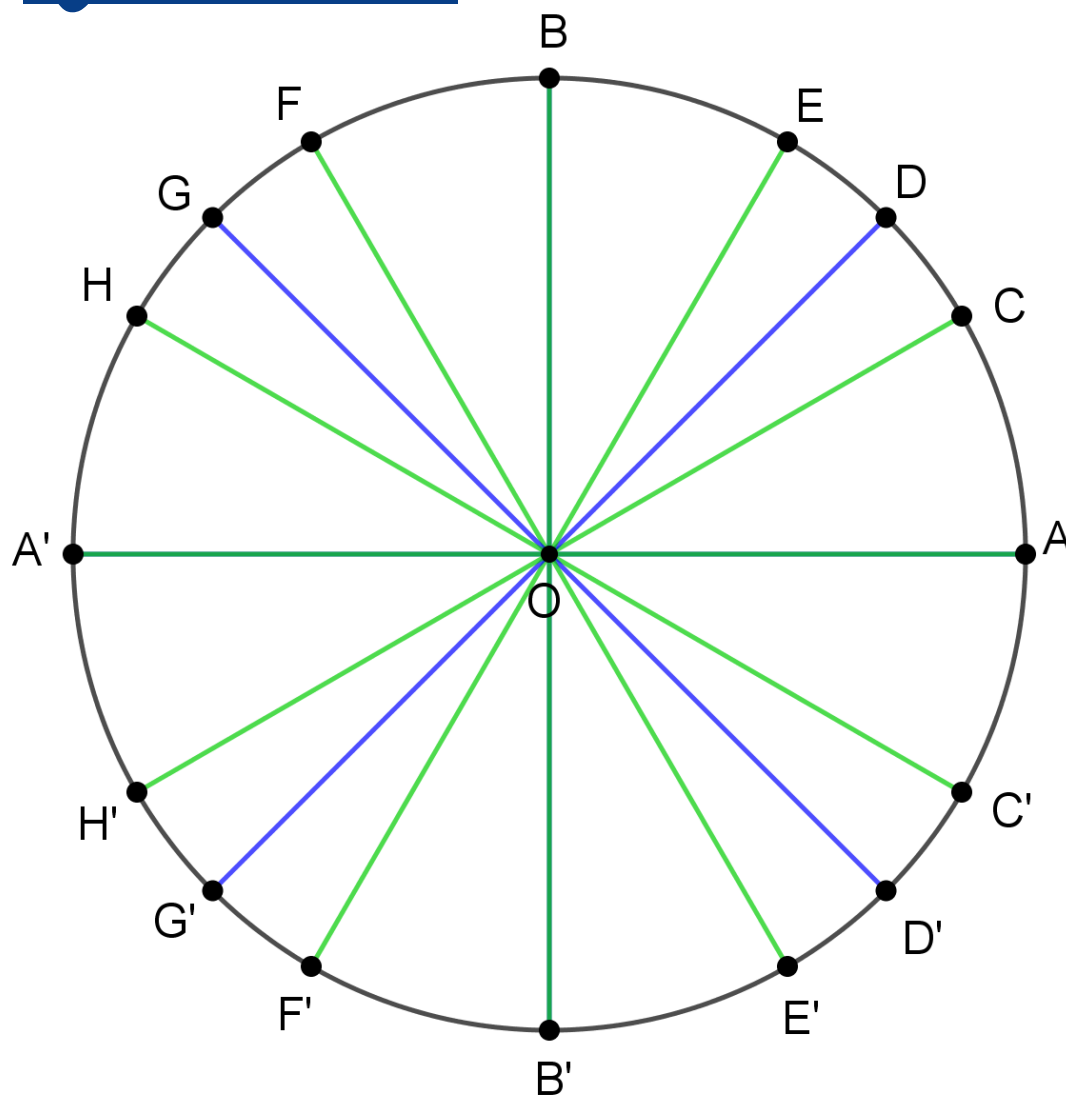
## Question 6

$$\frac{5\pi}{6}$$



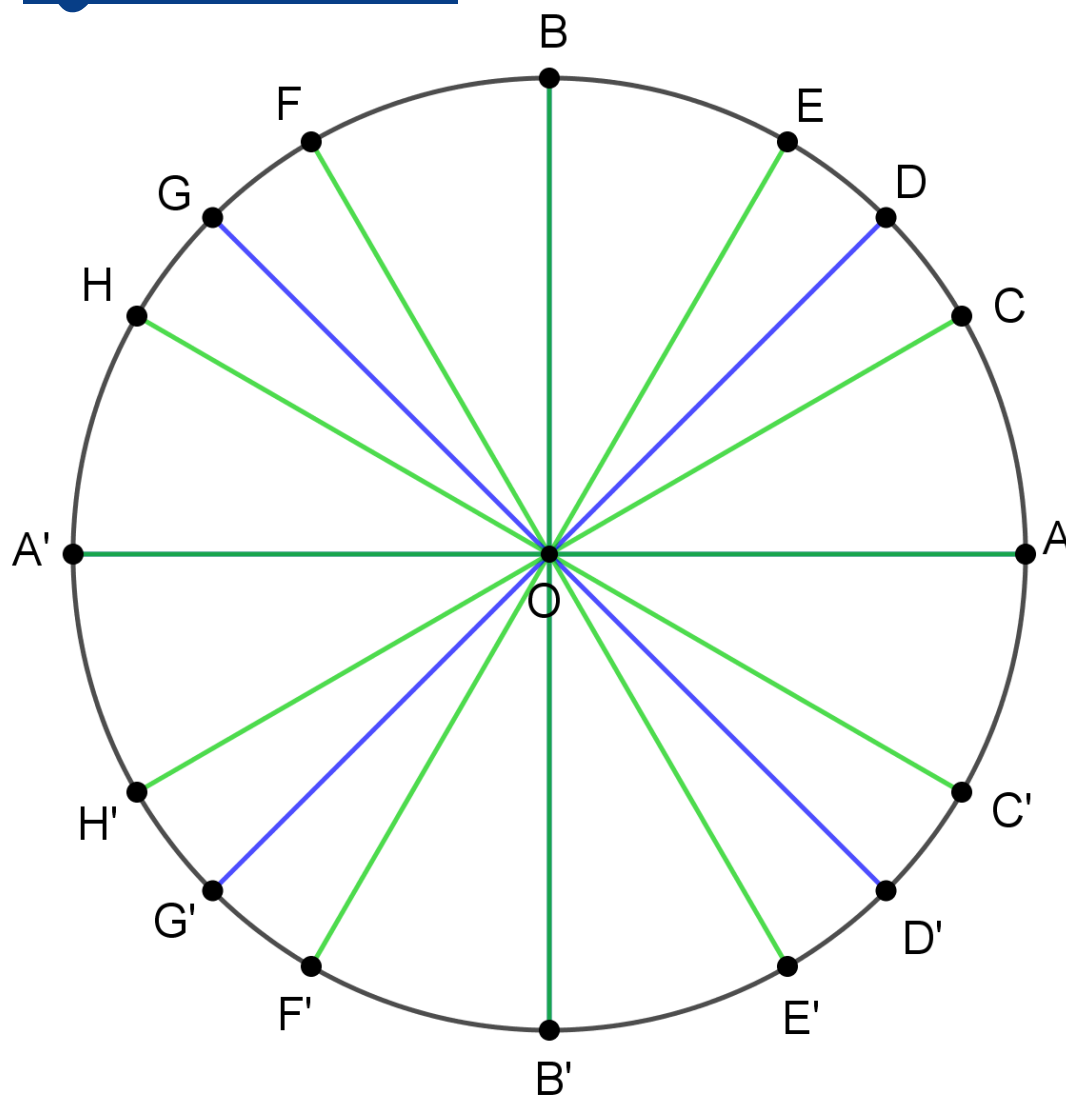
## Question 7

$$-\frac{3\pi}{4}$$



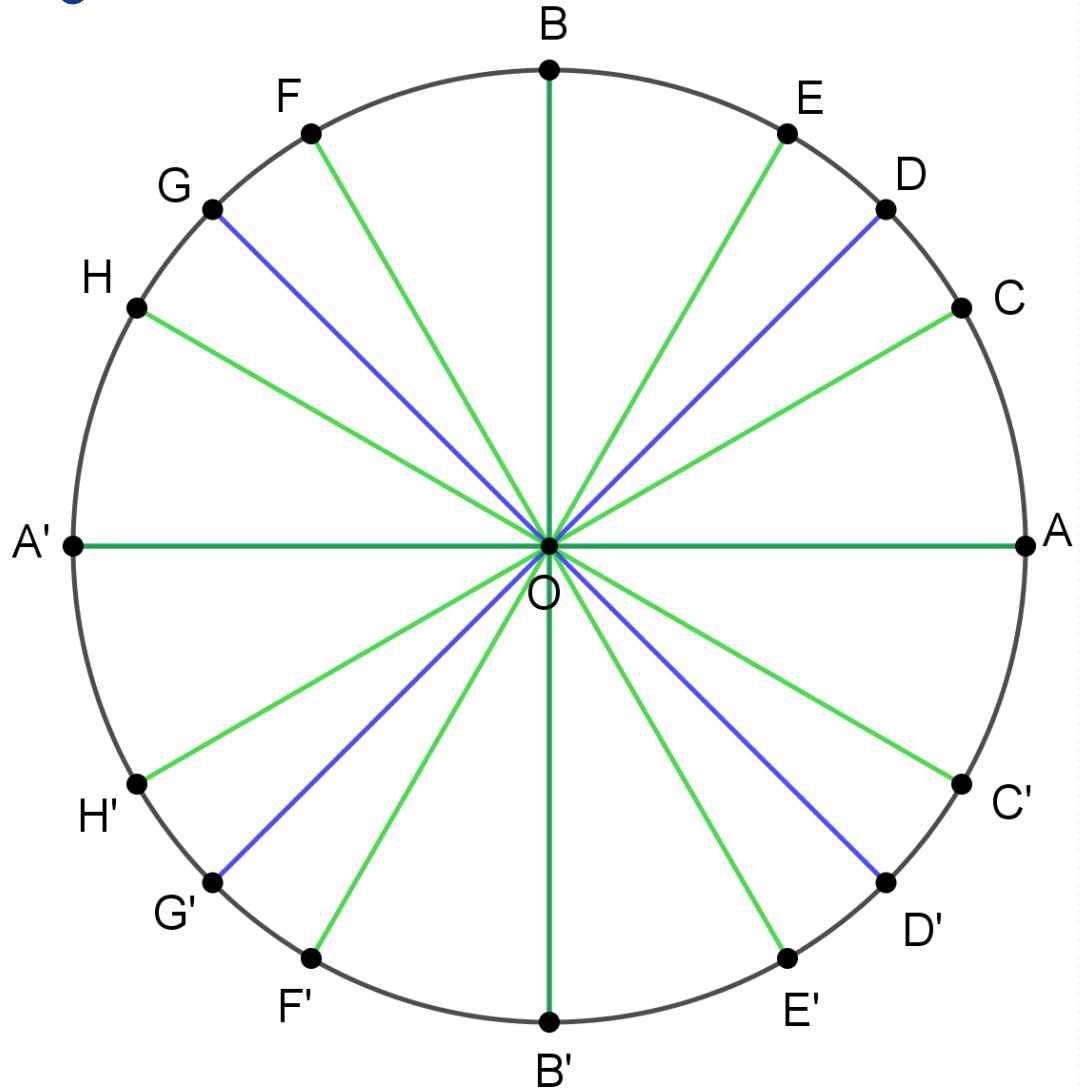
## Question 8

$$-\frac{3\pi}{2}$$



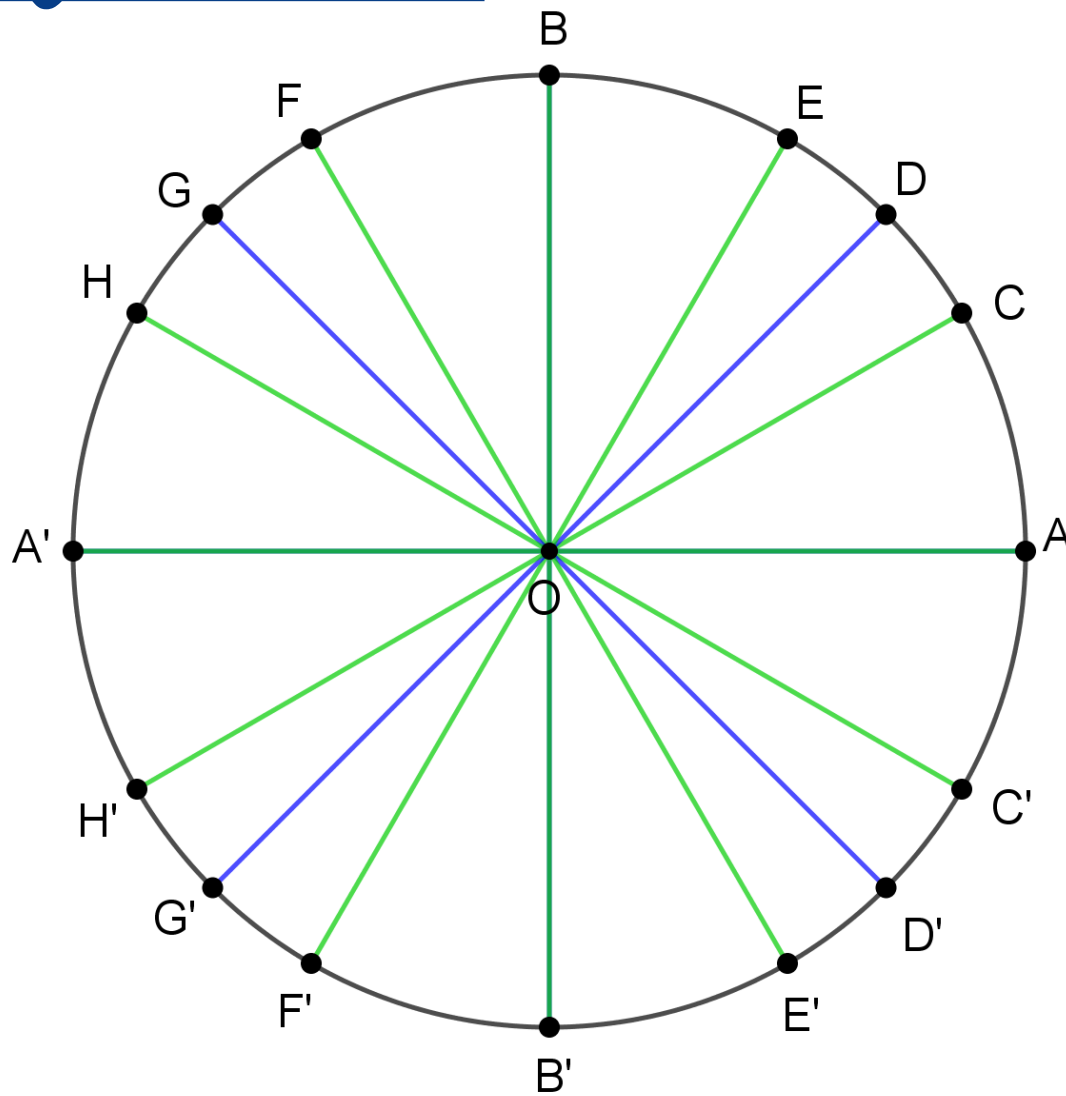
## Question 9

$$\frac{7\pi}{6}$$



## Question 10

$$\frac{5\pi}{3}$$

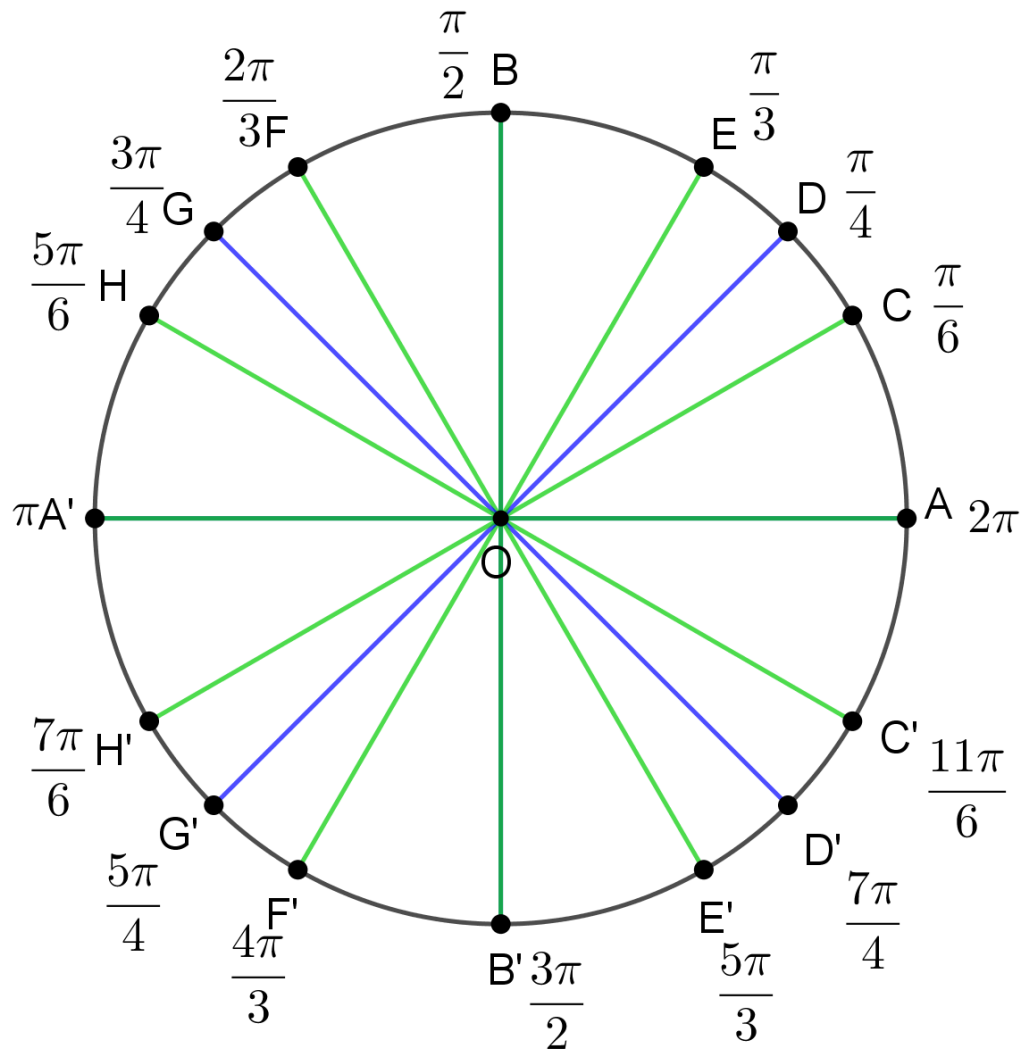


# Correction

Activités mentales et automatismes en classe de première  
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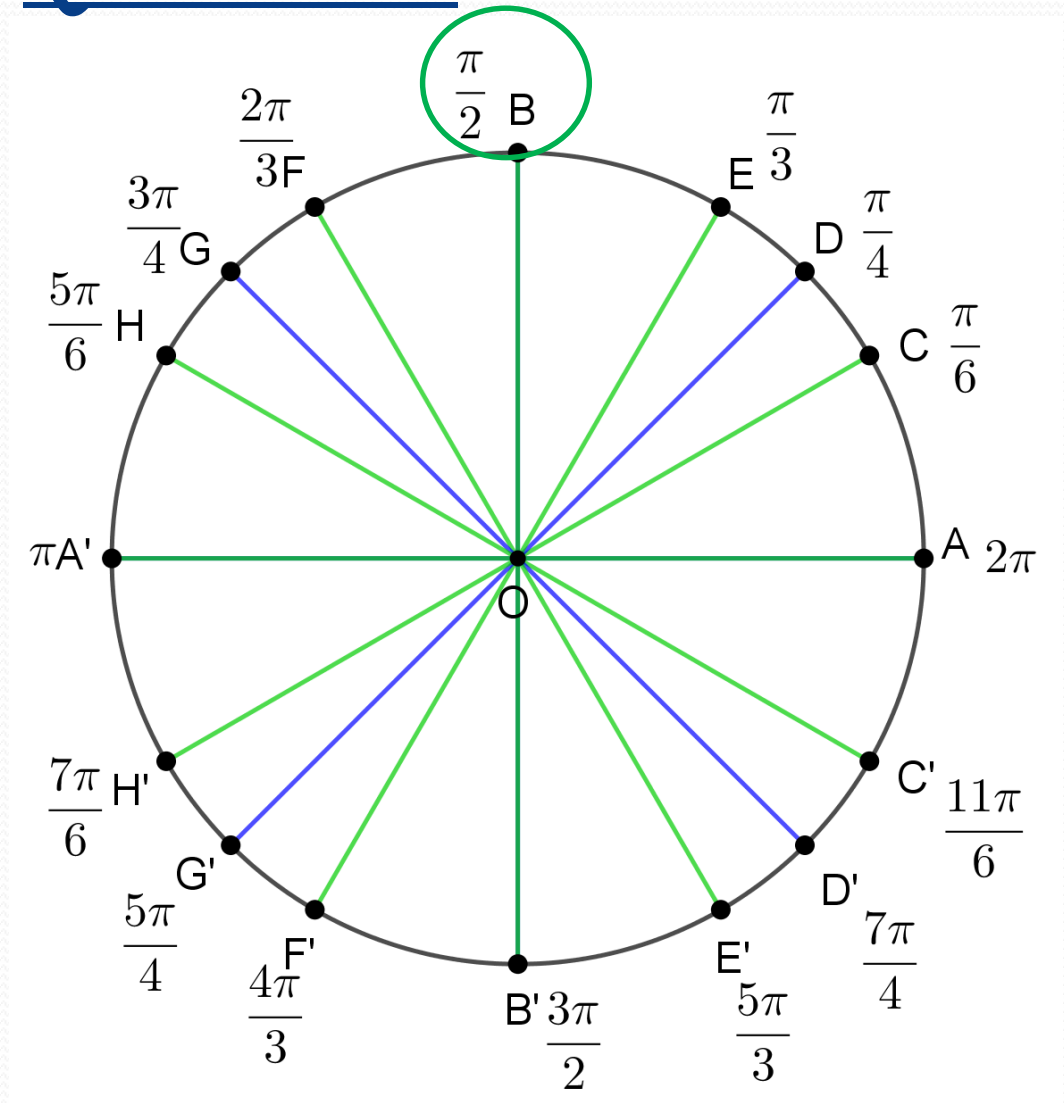
# Question 1

$\pi$   
—  
2



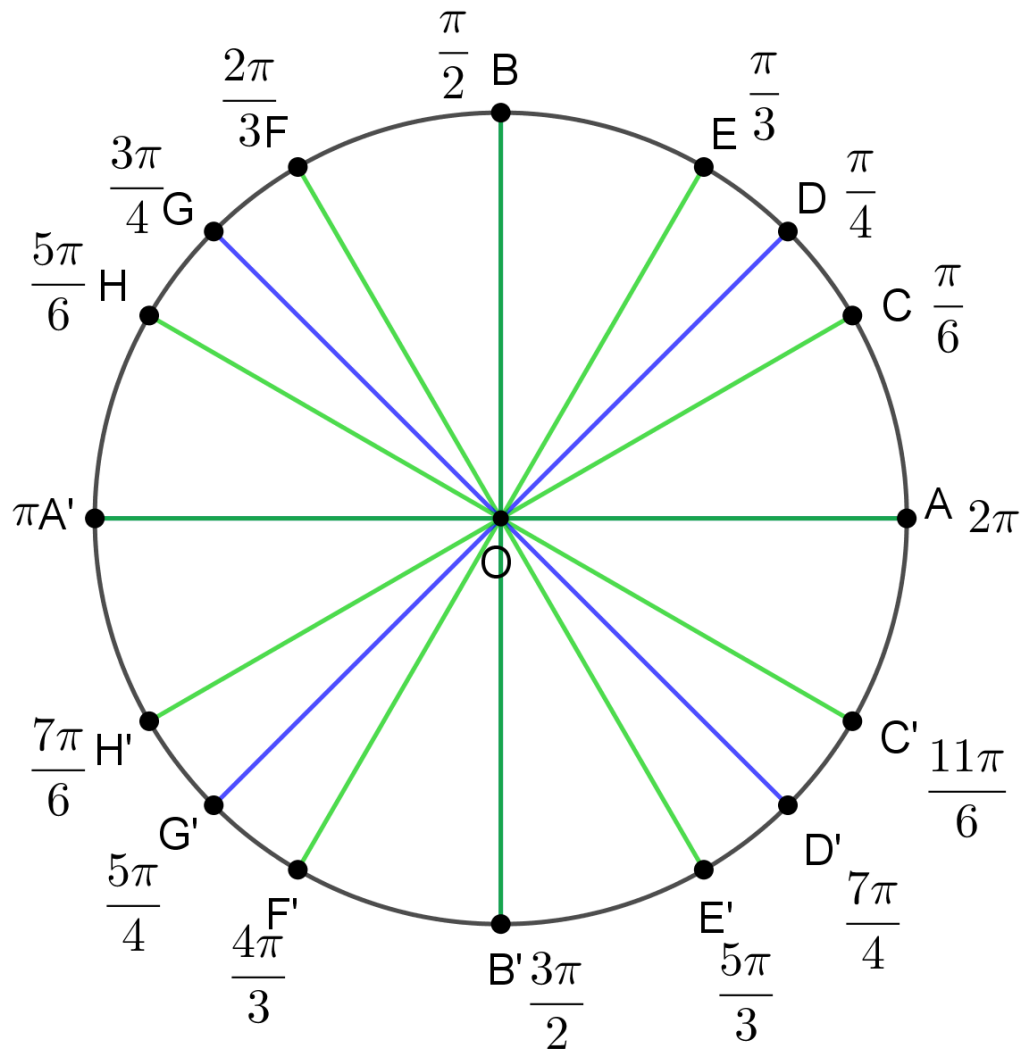
$\pi$   
—  
2

## Question 1



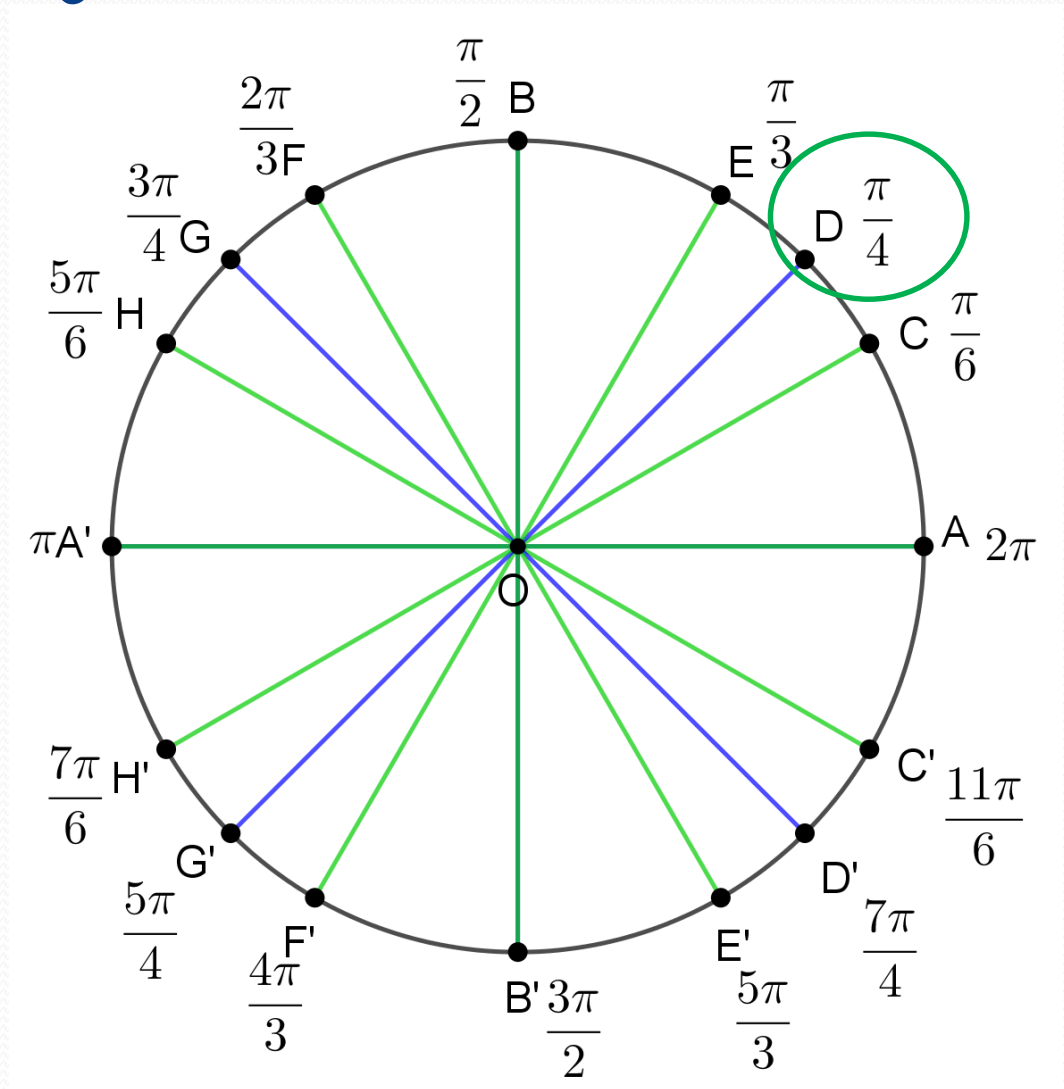
## Question 2

$\pi$   
—  
4



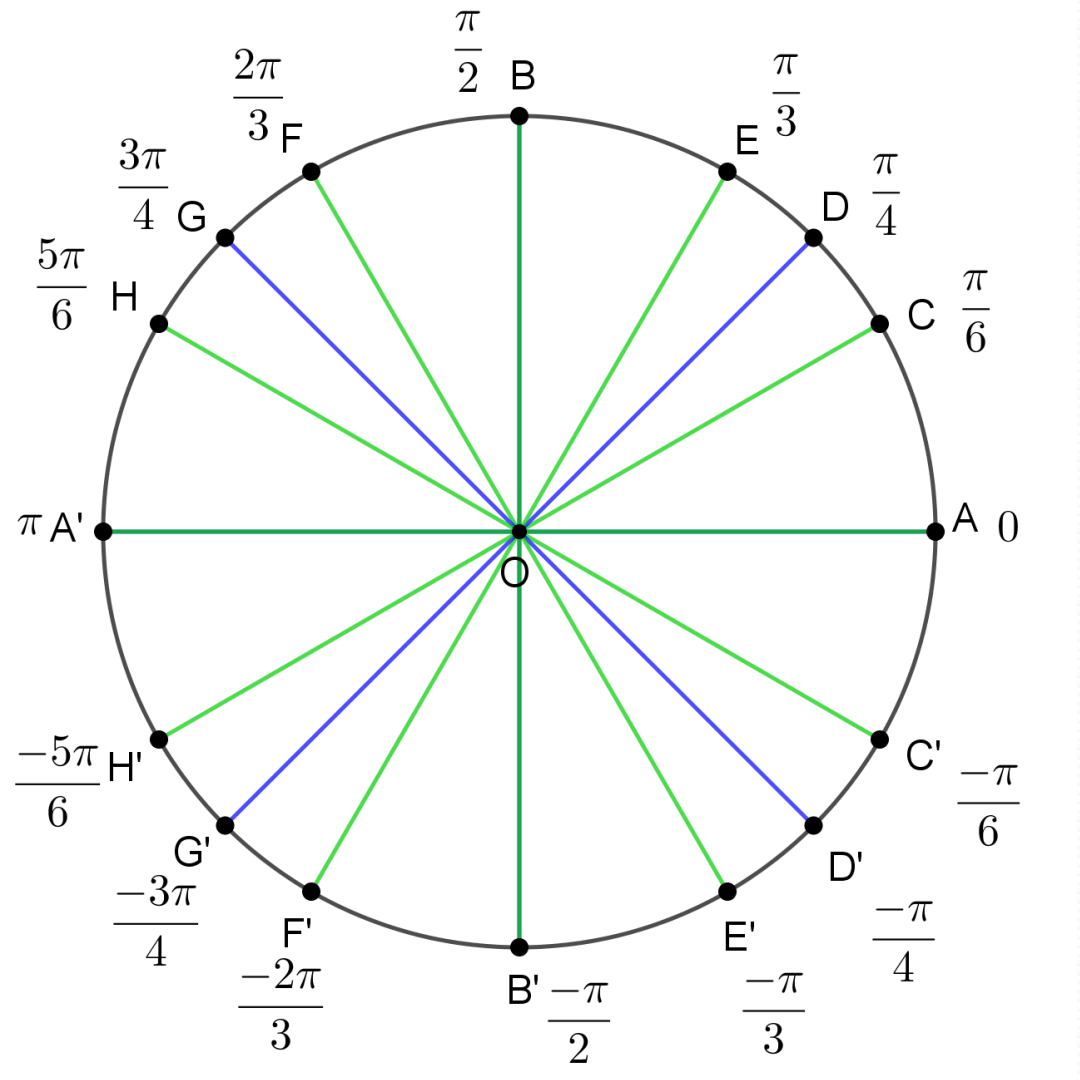
## Question 2

$\pi$   
—  
4



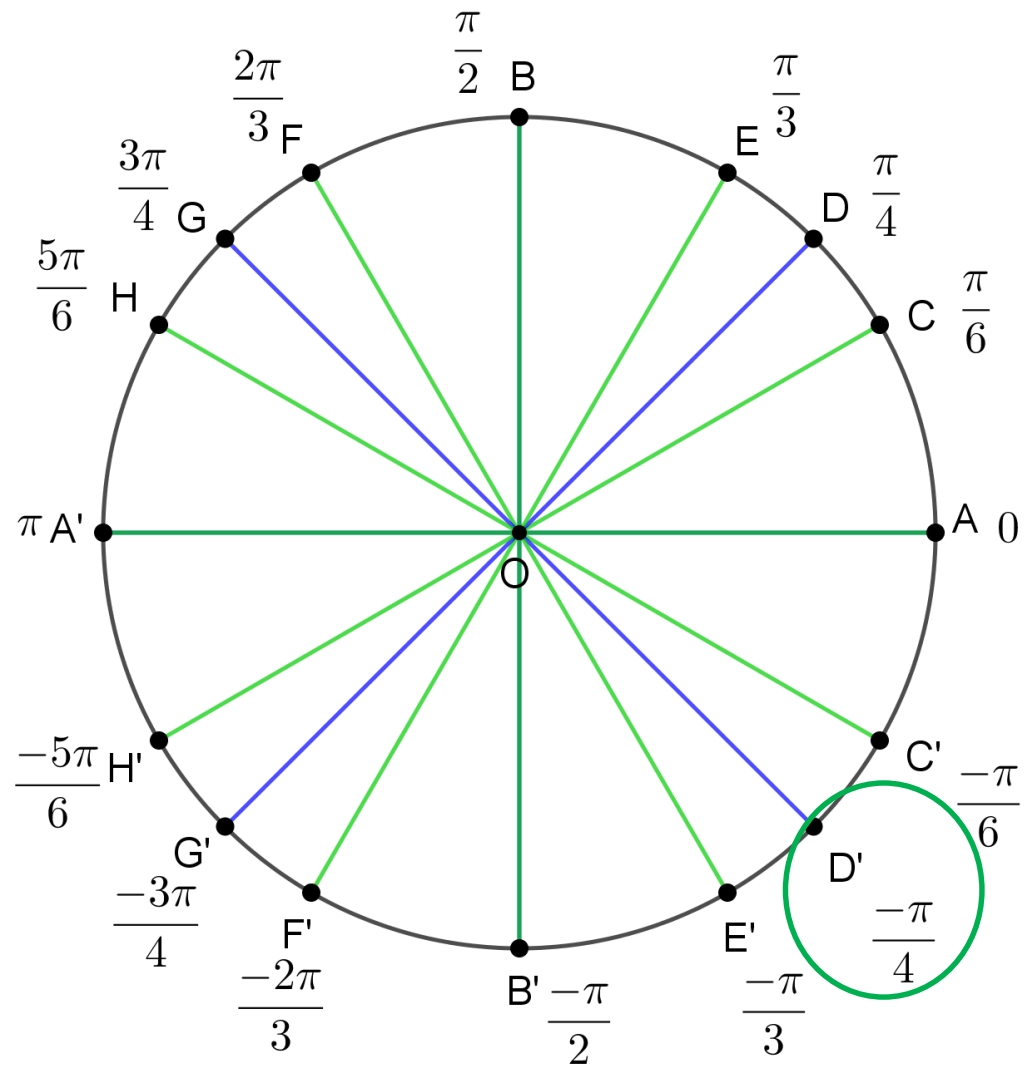
## Question 3

$$-\frac{\pi}{4}$$



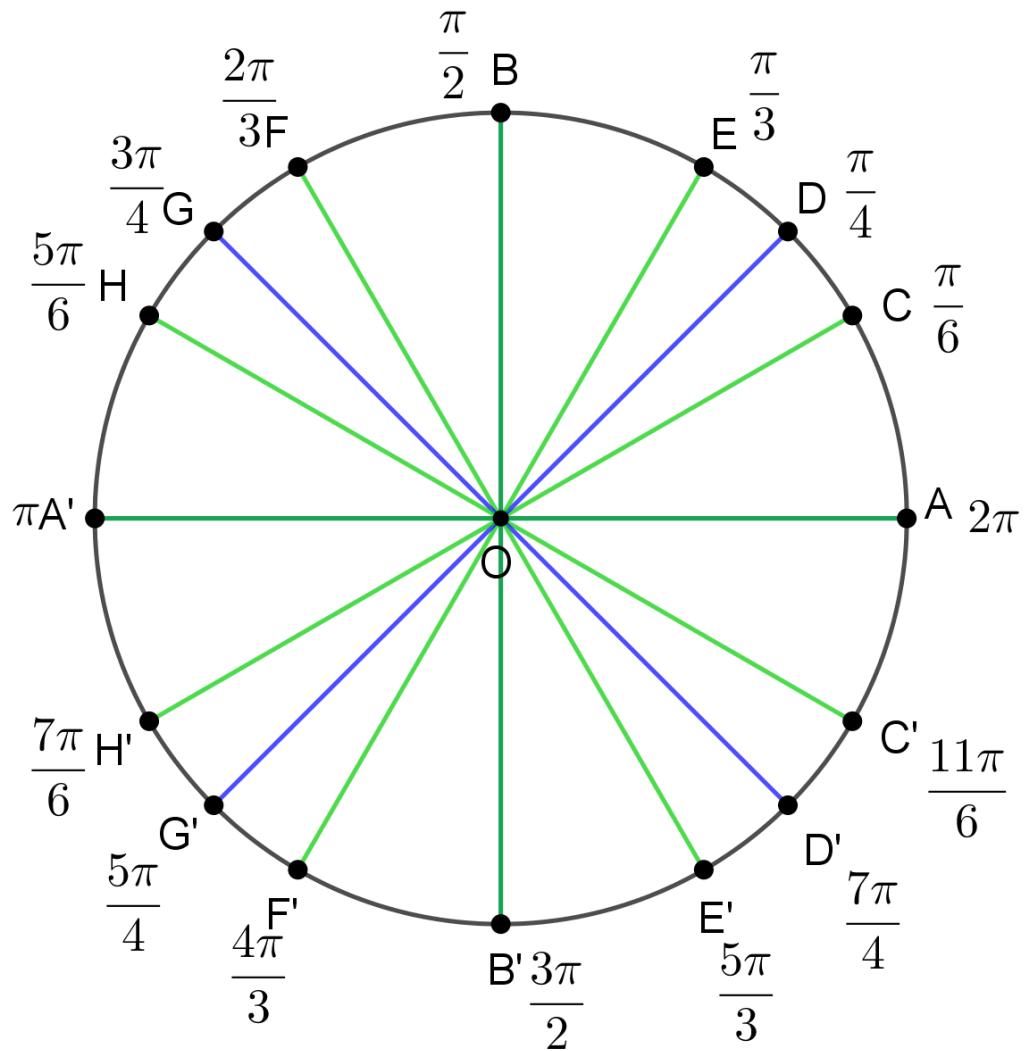
## Question 3

$$-\frac{\pi}{4}$$



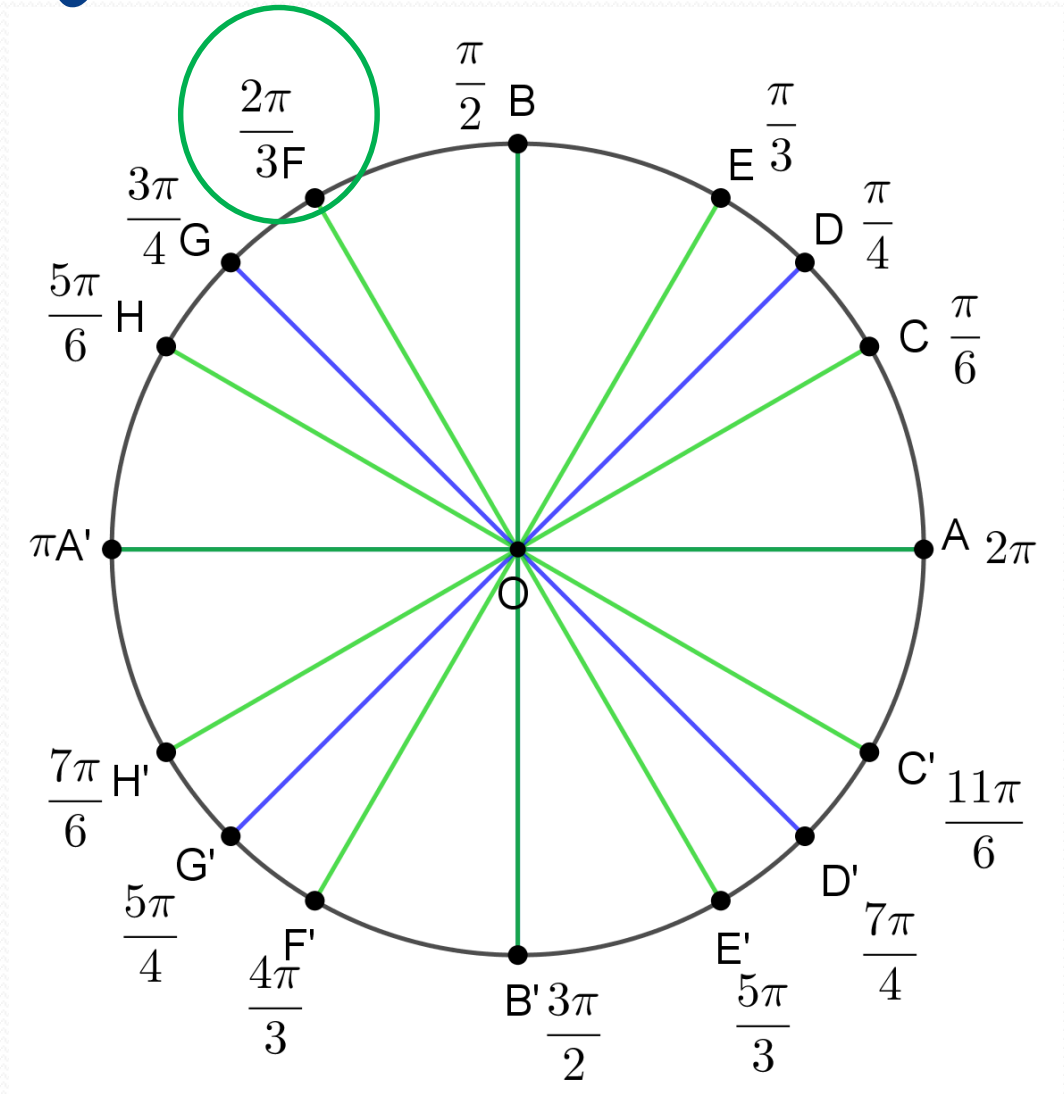
## Question 4

$$\frac{2\pi}{3}$$



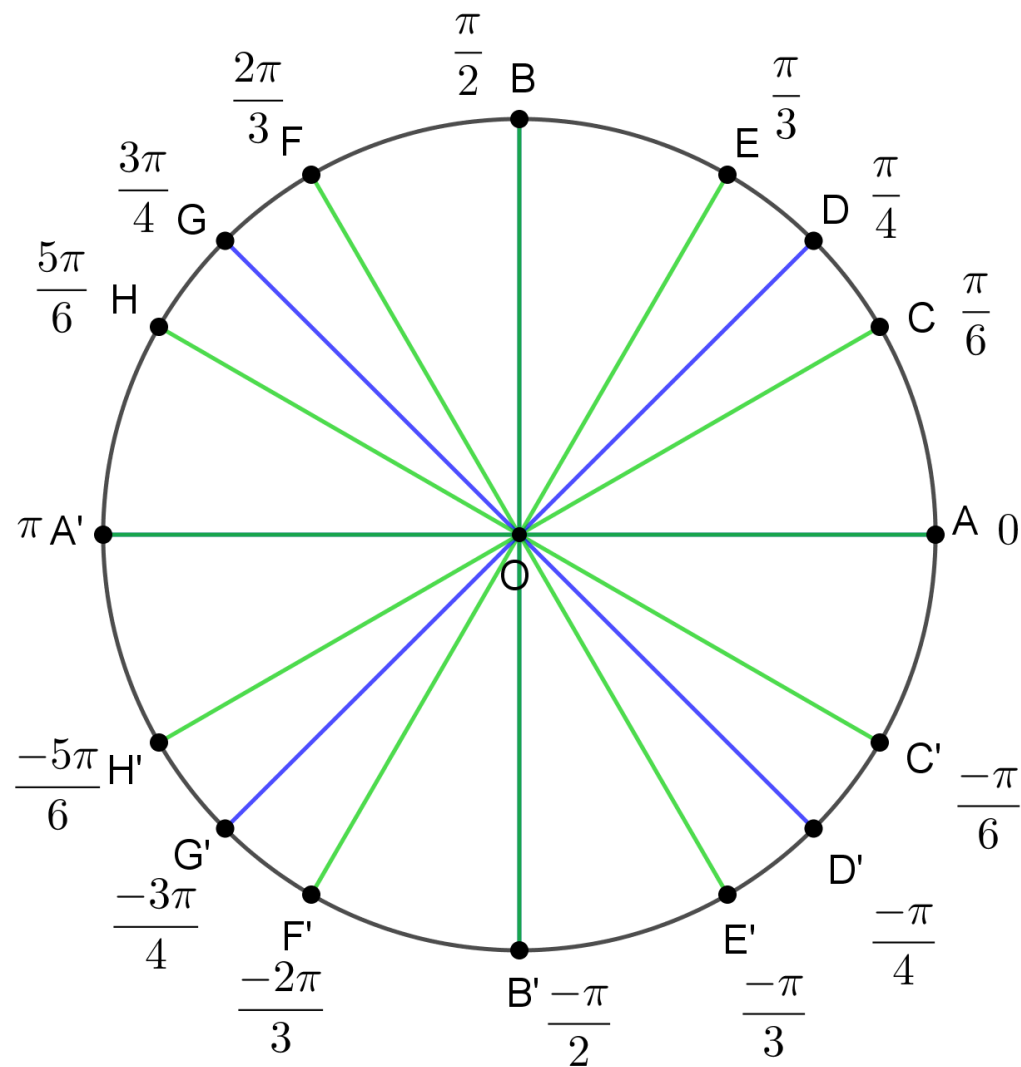
## Question 4

$$\frac{2\pi}{3}$$



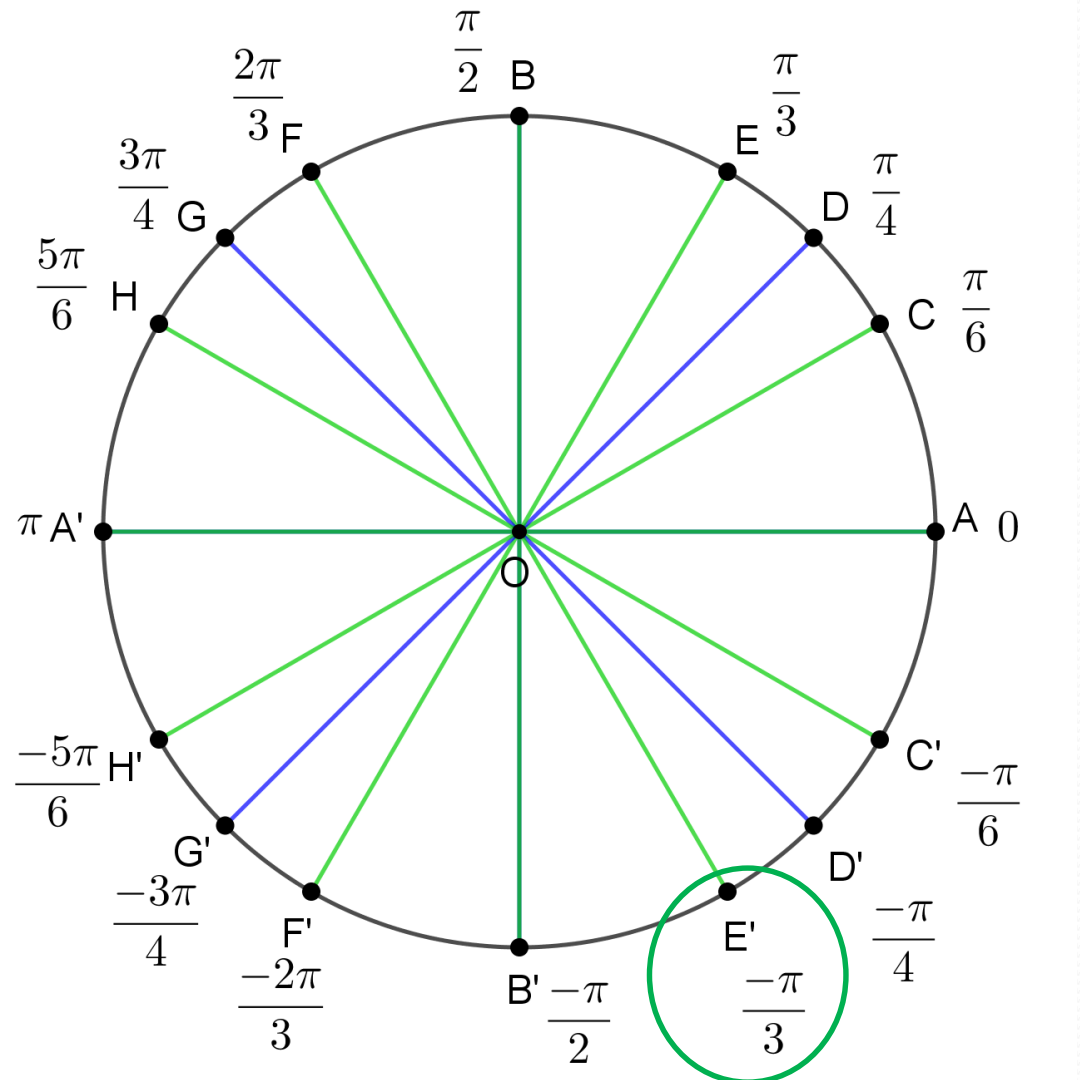
## Question 5

$$-\frac{\pi}{3}$$



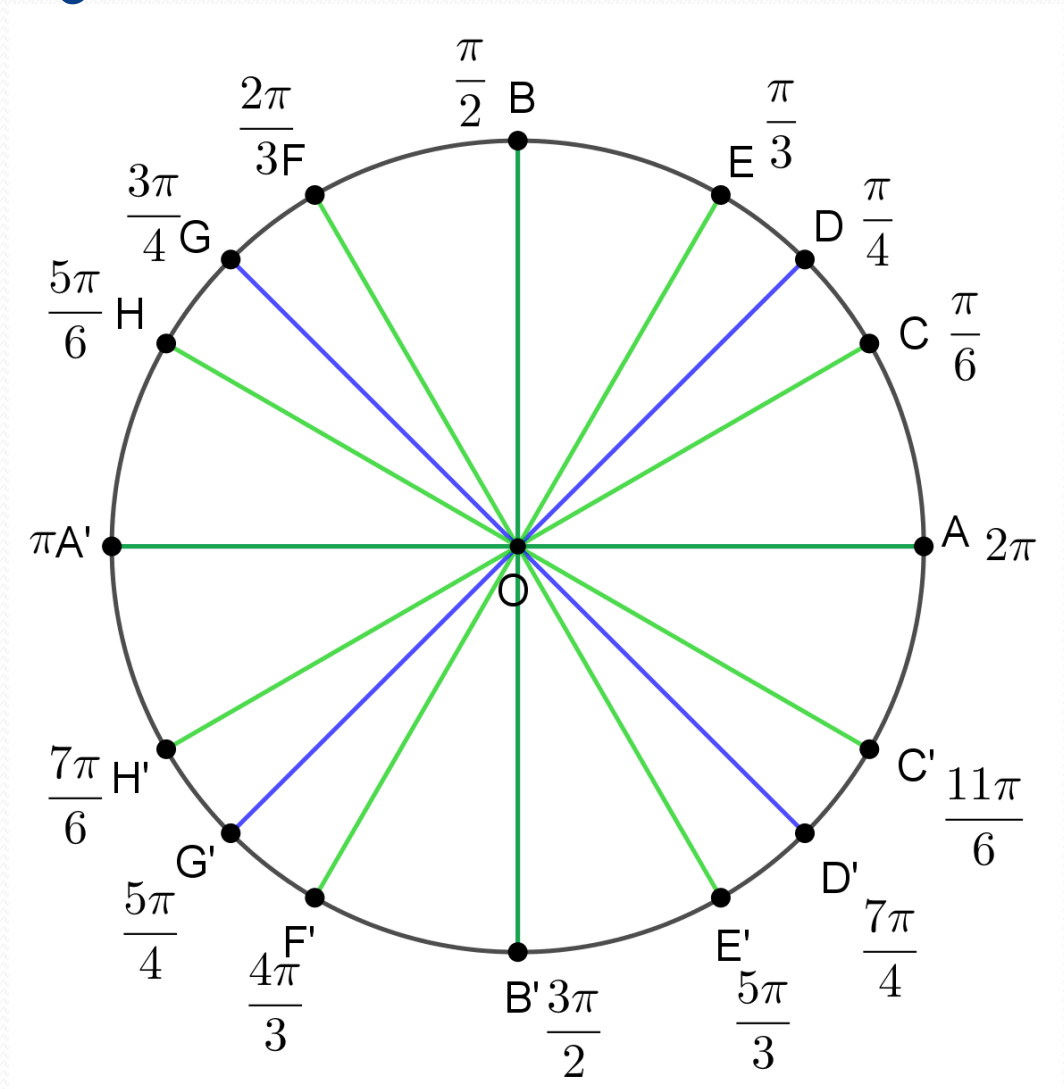
## Question 5

$$-\frac{\pi}{3}$$



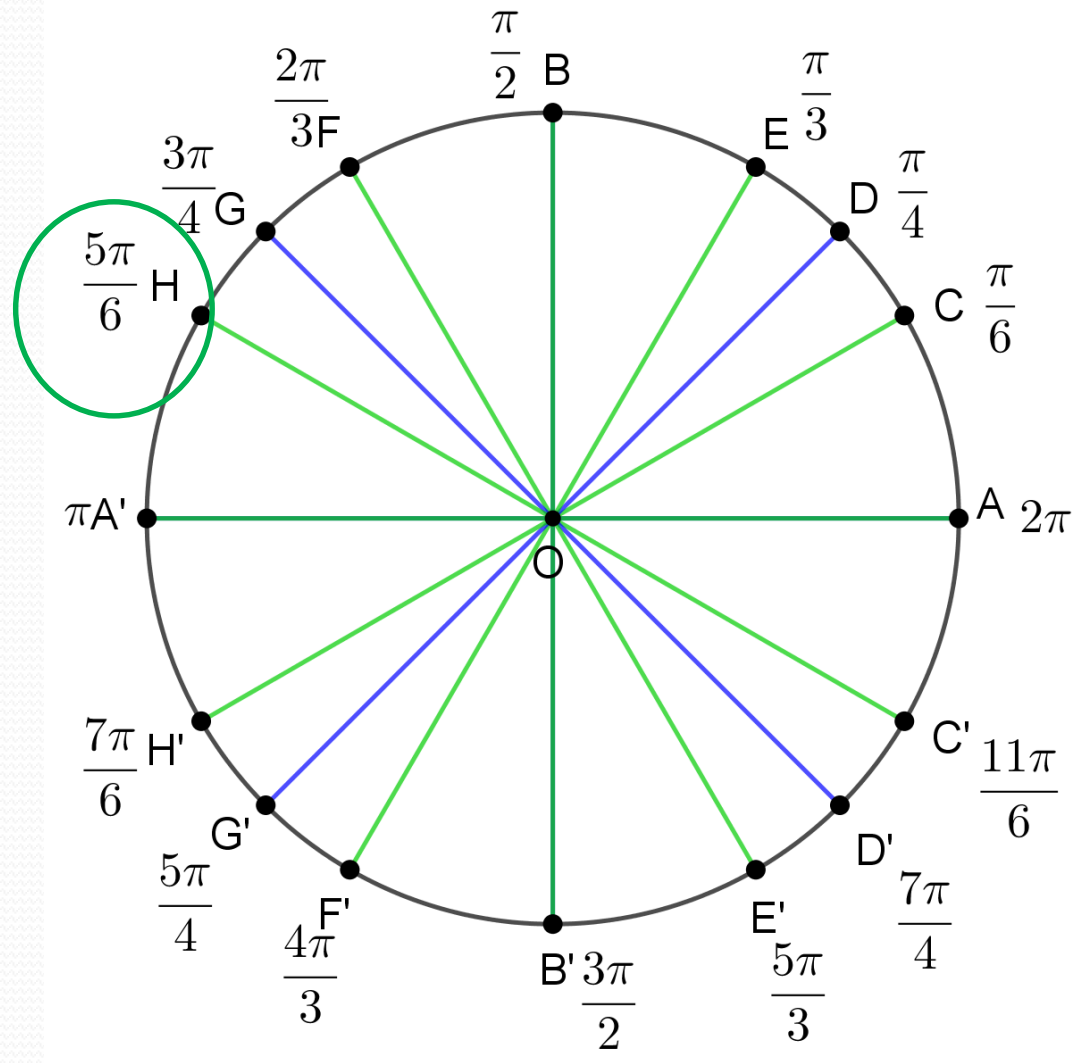
## Question 6

$$\frac{5\pi}{6}$$



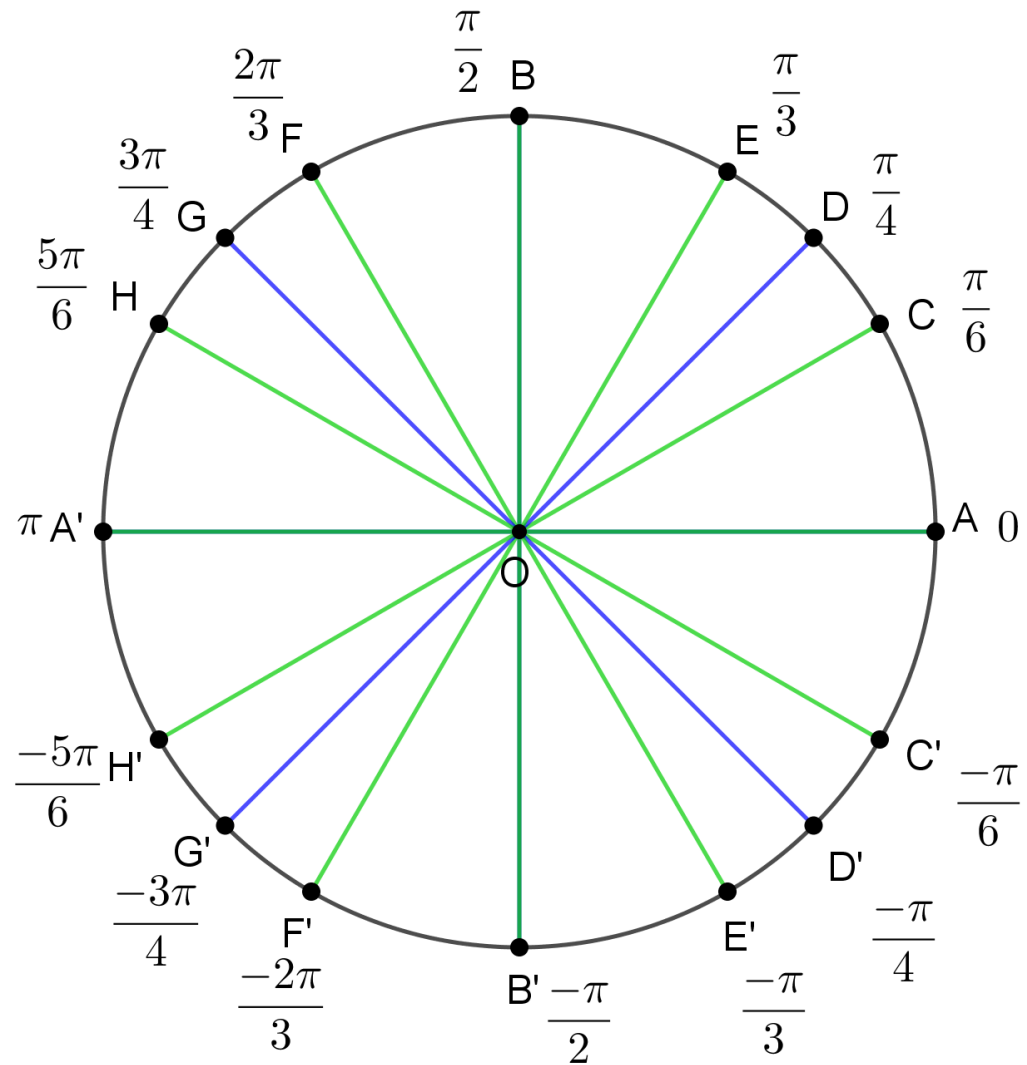
## Question 6

$$\frac{5\pi}{6}$$



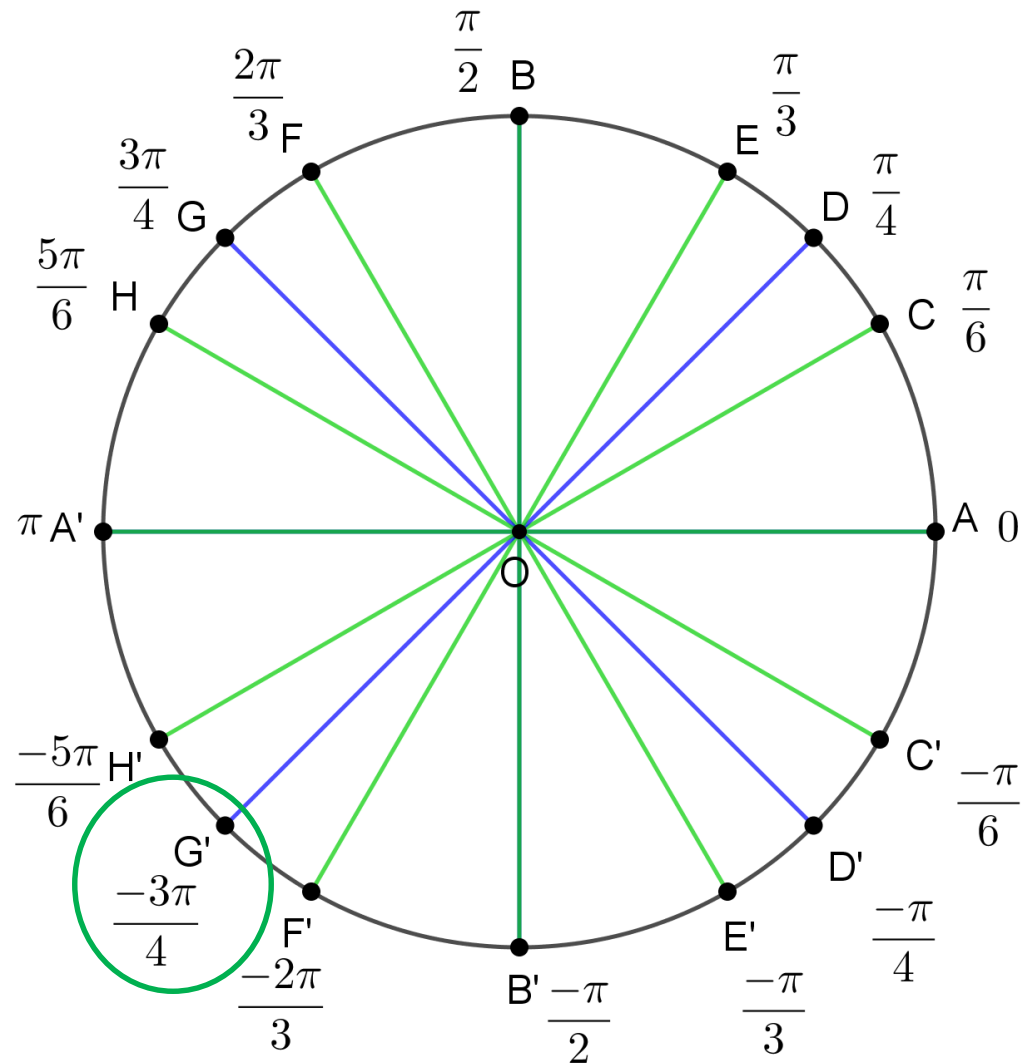
## Question 7

$$-\frac{3\pi}{4}$$



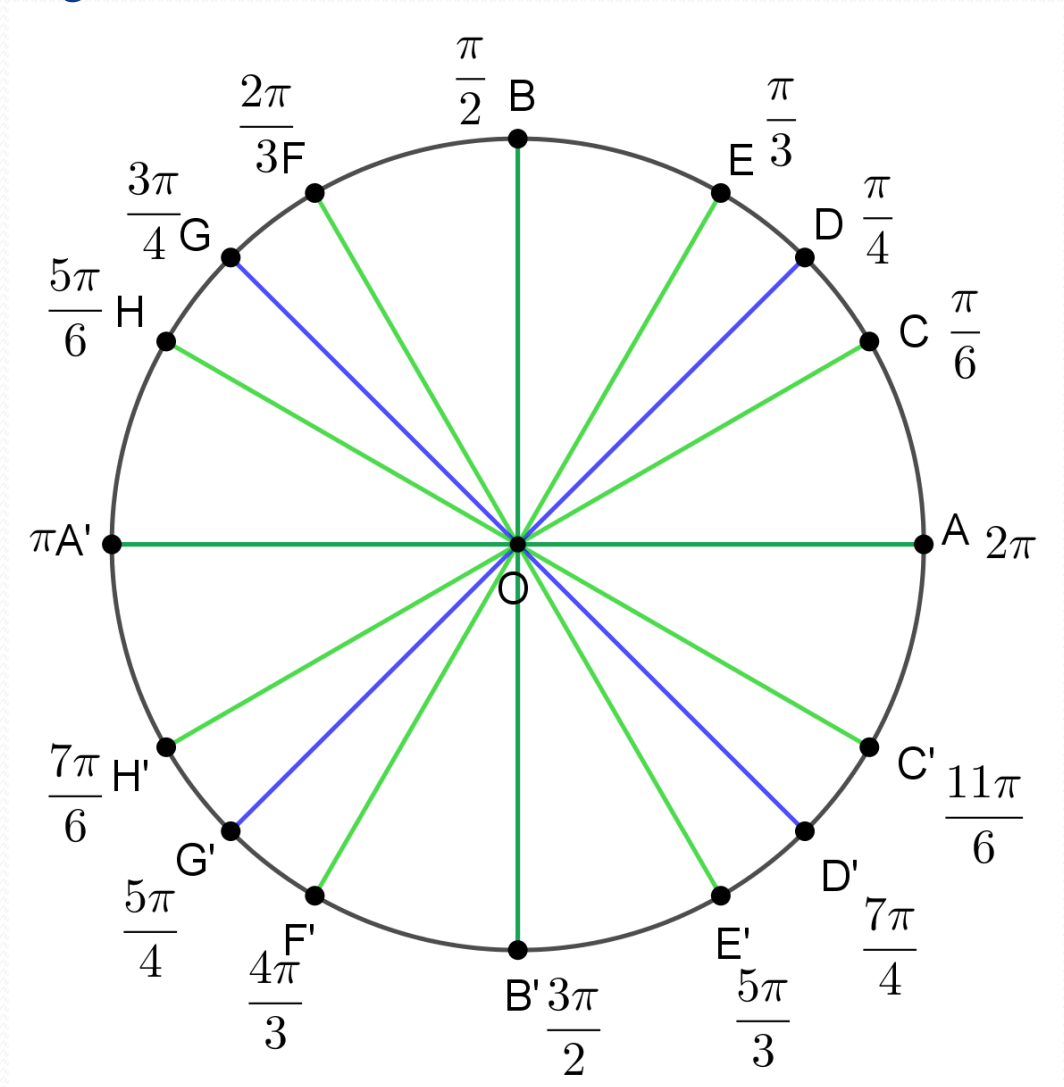
## Question 7

$$-\frac{3\pi}{4}$$



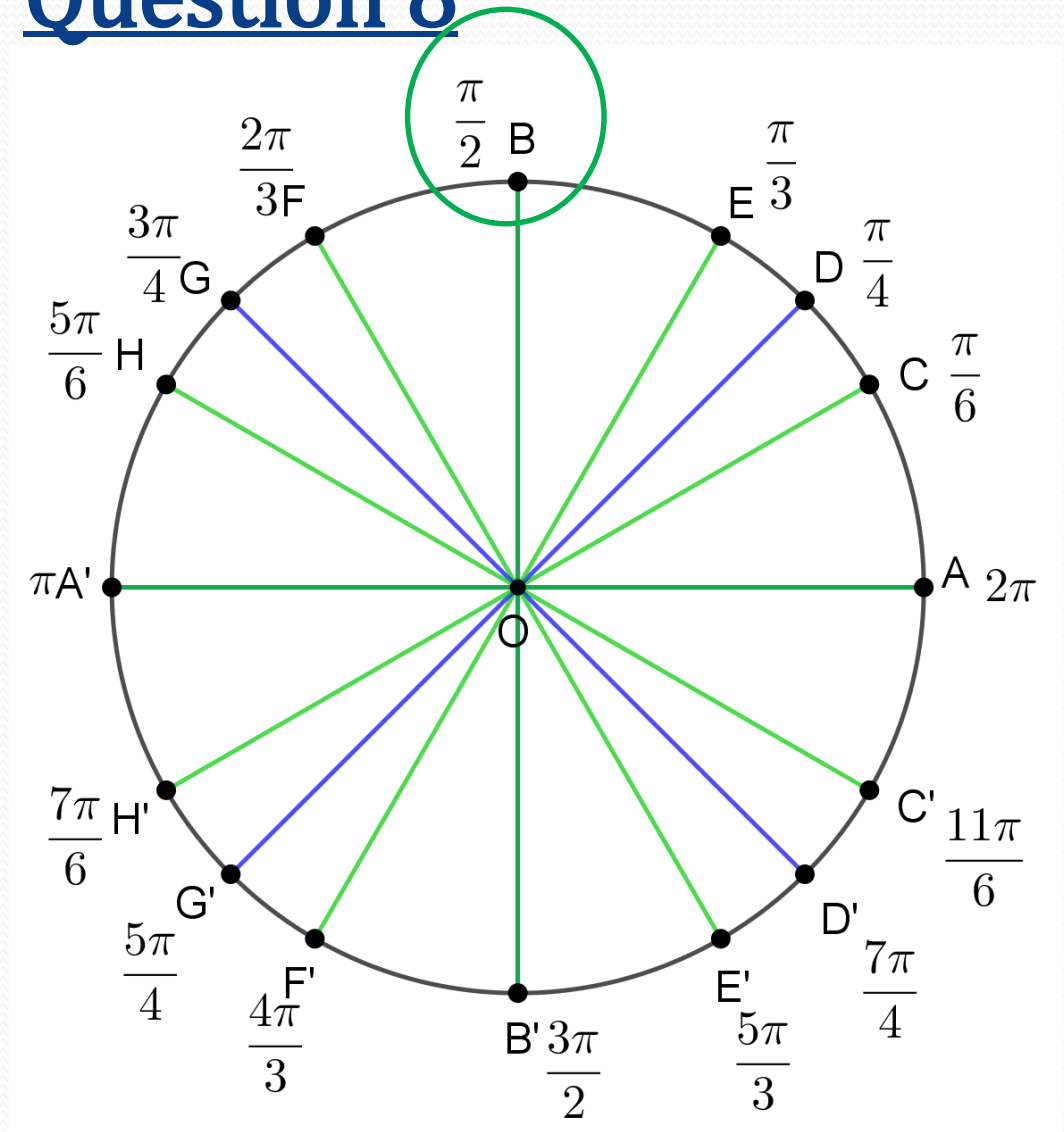
## Question 8

$$-\frac{3\pi}{2}$$



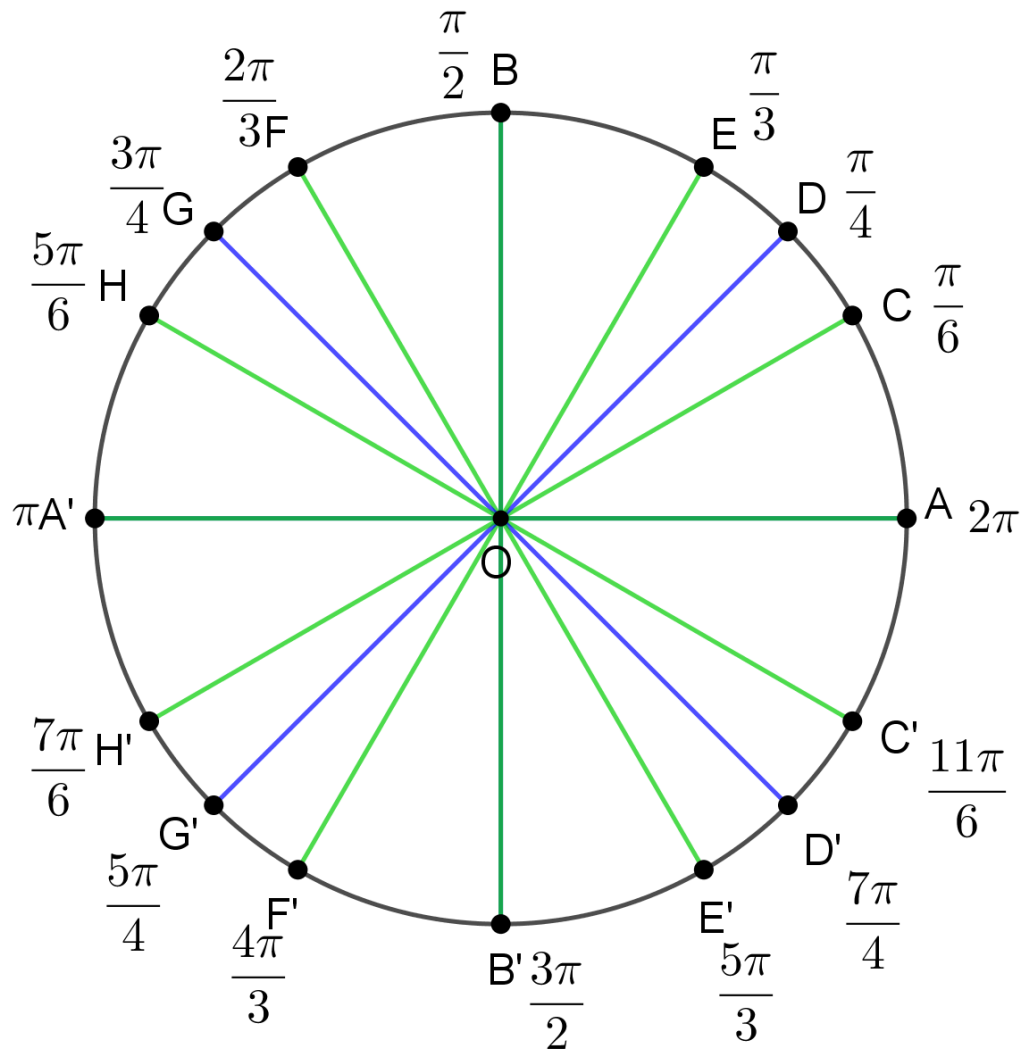
## Question 8

$$-\frac{3\pi}{2}$$



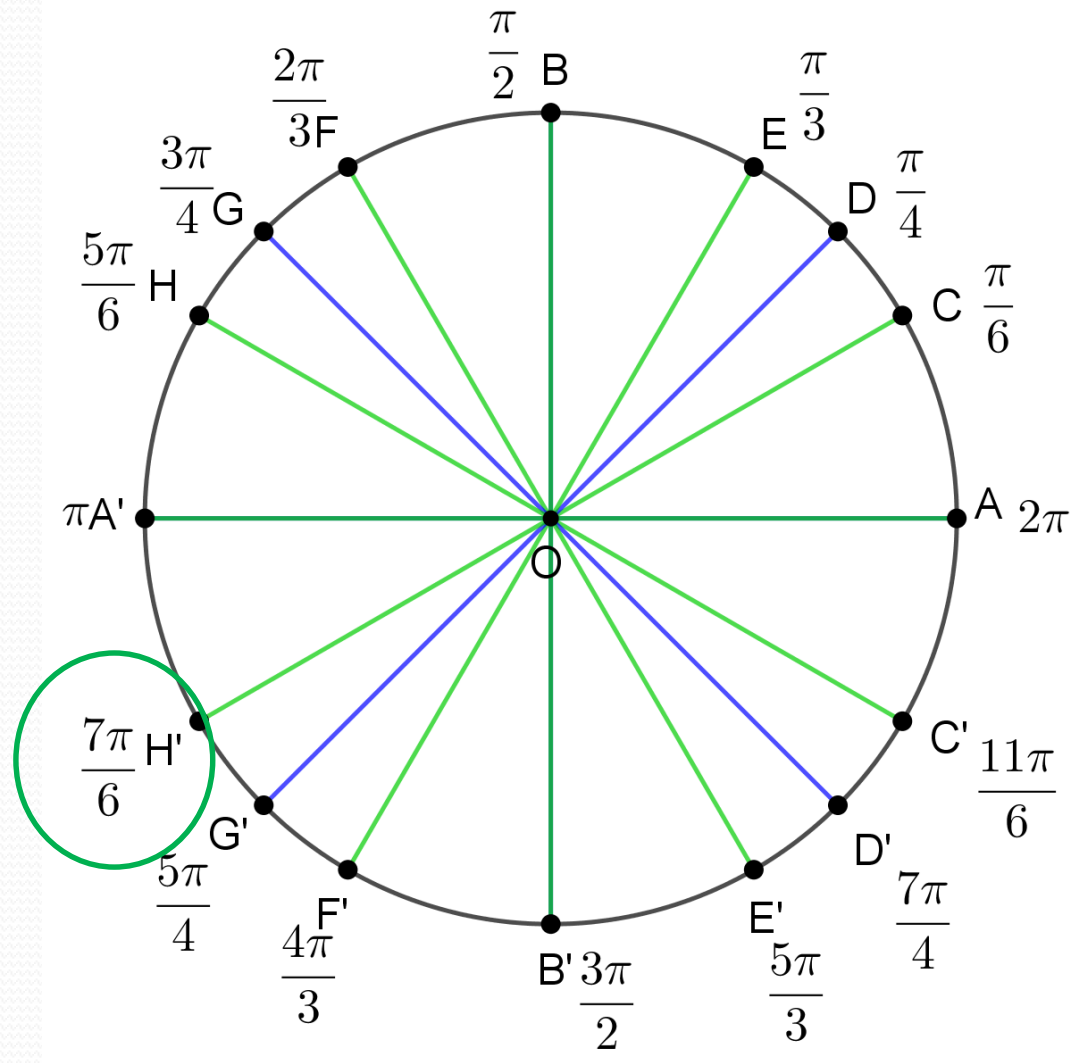
## Question 9

$$\frac{7\pi}{6}$$



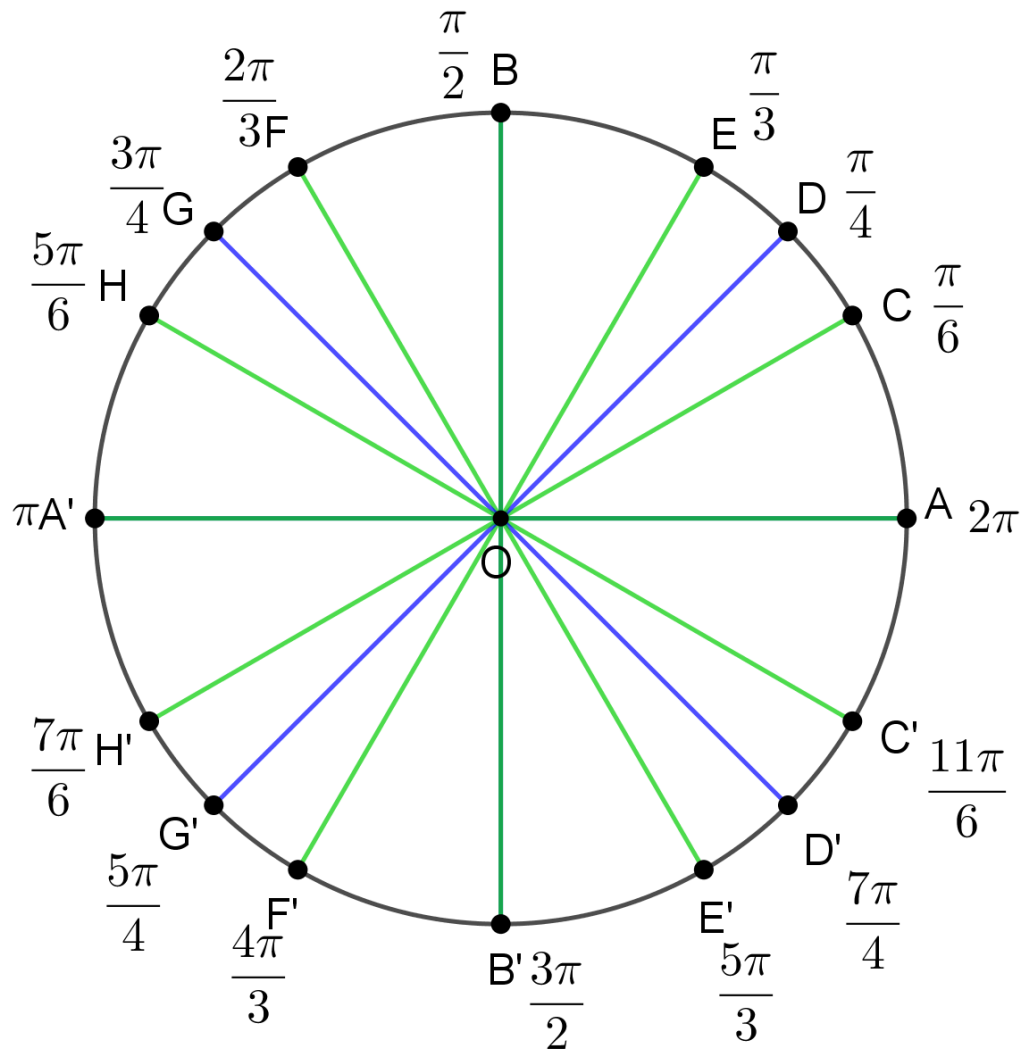
## Question 9

$$\frac{7\pi}{6}$$



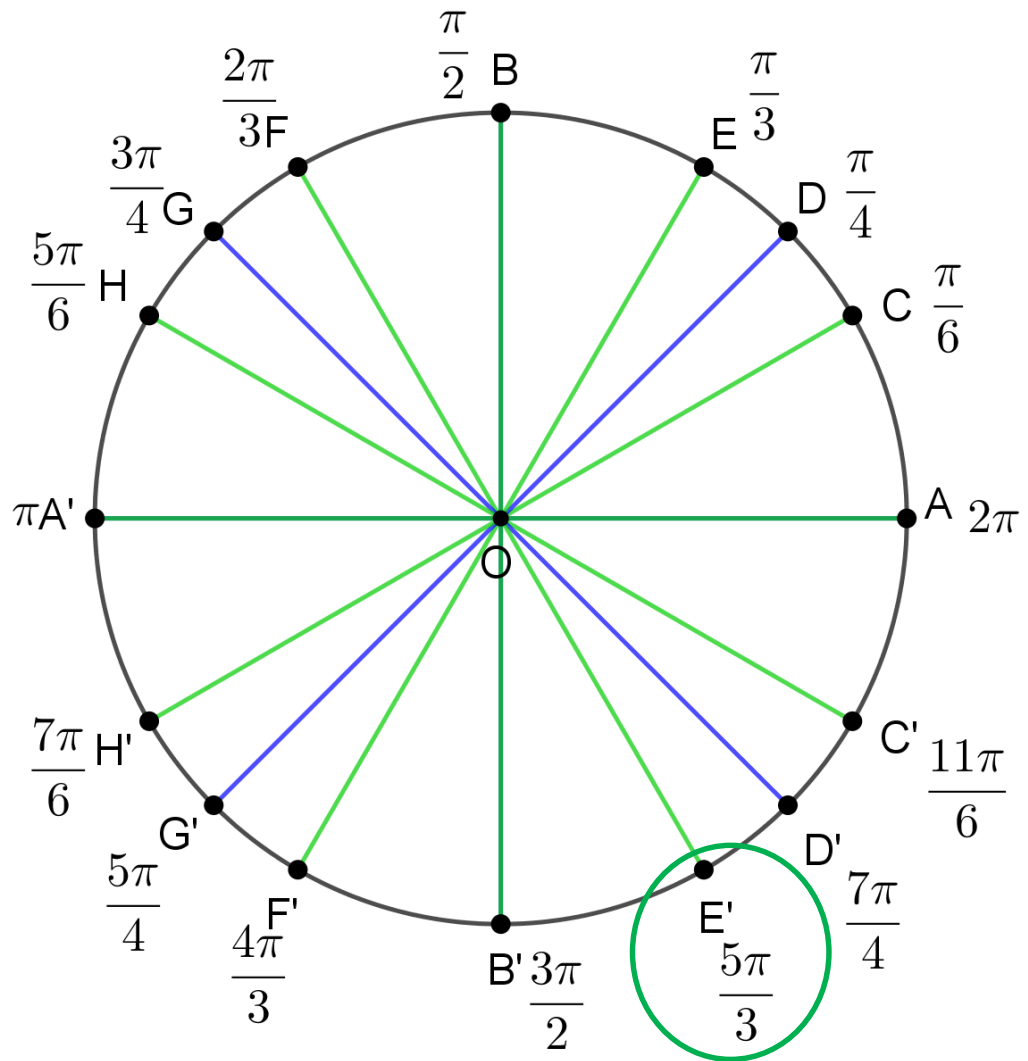
## Question 10

$$\frac{5\pi}{3}$$



## Question 10

$$\frac{5\pi}{3}$$



# Fin

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