Reference Angle

Exp-1-

Find the measure of the reference angle of θ

The reference angle, θ'

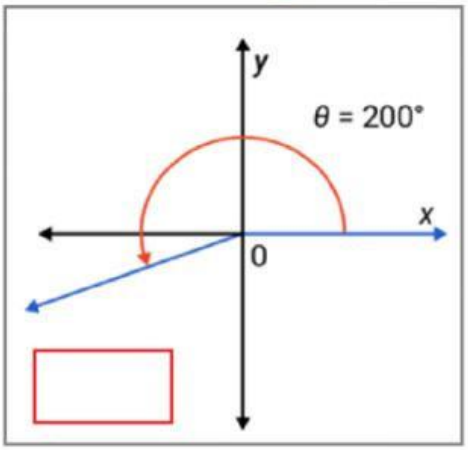
Its measure is

a. 20°

b. 140°

c. 160°

d. 200°



Exp-2-

A

Find the exact value of $\cos \frac{5\pi}{3}$.

The angle is in Quadrant

a. I

b. II

c. III

d. IV

so $\cos \frac{5\pi}{3}$ is

a. Positive

b. Negative

The reference angle for $\frac{5\pi}{3}$ is

a. $\frac{\pi}{3}$

b. $\frac{\pi}{2}$

c. $\frac{\pi}{6}$

d. $\frac{\pi}{4}$

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

a. $\frac{1}{2}$

b. $\frac{\sqrt{3}}{2}$

c. $-\frac{1}{2}$

d. $-\frac{\sqrt{3}}{2}$

B

Find the exact value of $\cos\frac{5\pi}{6}$.

The angle is in Quadrant _____

a. I
b. II
c. III
d. IV

so $\cos\frac{5\pi}{6}$ is _____

a. Positive
b. Negative

The reference angle for $\frac{5\pi}{6}$ is _____

a. $\frac{\pi}{3}$
b. $\frac{\pi}{2}$
c. $\frac{\pi}{6}$
d. $\frac{\pi}{4}$

$\cos\frac{5\pi}{6} =$ _____

a. $\frac{1}{2}$
b. $\frac{\sqrt{3}}{2}$
c. $-\frac{1}{2}$
d. $-\frac{\sqrt{3}}{2}$

C

Find the exact value of $\sin\frac{5\pi}{4}$

The angle is in Quadrant _____

a. I
b. II
c. III
d. IV

so $\sin\frac{5\pi}{4}$ is _____

a. Positive
b. Negative

The reference angle for $\frac{5\pi}{4}$ is _____

a. $\frac{\pi}{3}$
b. $\frac{\pi}{2}$
c. $\frac{\pi}{6}$
d. $\frac{\pi}{4}$

$\sin\frac{5\pi}{4} =$ _____

a. $\frac{1}{2}$
b. $\frac{\sqrt{2}}{2}$
c. $-\frac{1}{2}$
d. $-\frac{\sqrt{2}}{2}$

LIVEWORKSHEETS