

**Reference Angle**

**A Find the measure of the reference angle of  $\theta$**

The reference angle,  $\theta'$

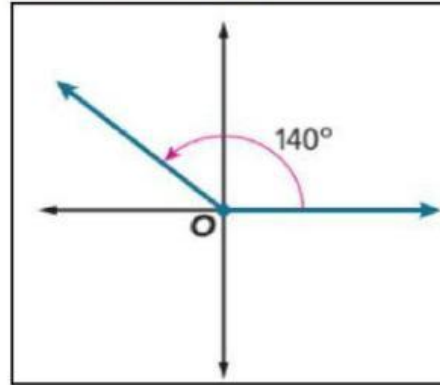
a.  $20^\circ$

b.  $140^\circ$

Its measure is

c.  $-40^\circ$

d.  $40^\circ$



**B**

**Find the exact value of  $\cos\left(-\frac{\pi}{3}\right)$ .**

The angle is in Quadrant

a. I

b. II

c. III

d. IV

so  $\cos\left(-\frac{\pi}{3}\right)$  is

a. Positive

b. Negative

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

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

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

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

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

$\cos\left(-\frac{\pi}{3}\right) =$

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

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

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

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

**A Find the measure of the reference angle of  $\theta$**

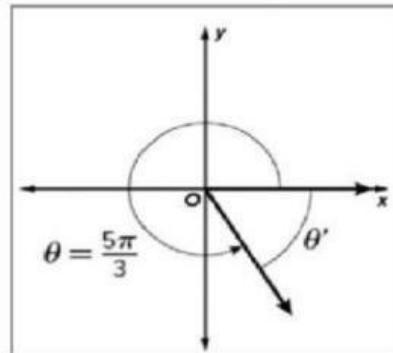
The reference angle,  $\theta'$

a)  $\theta' = \frac{\pi}{3}$

b)  $\theta' = \frac{5\pi}{36}$

c)  $\theta' = \frac{3\pi}{8}$

d)  $\theta' = \frac{\pi}{6}$



**B**

**Find the exact value of  $\sin\left(\frac{\pi}{4}\right)$**

The angle is in Quadrant

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

so :  $\sin\left(\frac{\pi}{4}\right)$  is

- a. Positive
- b. Negative

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

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

$\sin\left(\frac{\pi}{4}\right) =$

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