

Name :

Class :



Unit Circle

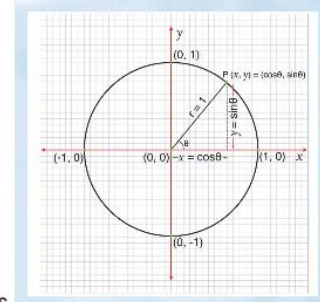


It is defined as a circle with a radius of one unit, centered at the origin of a coordinate system. The equation of a unit circle is

$$x^2 + y^2 = 1 \text{ or } \cos^2\theta + \sin^2\theta = 1$$

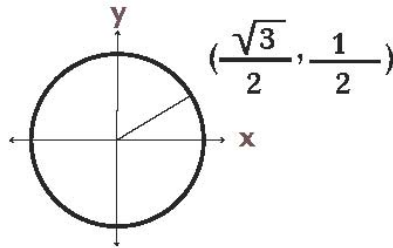
(x, y) = a point on the circumference

θ = angle made by the radius with the positive x -axis

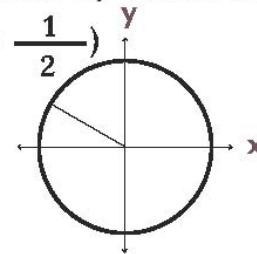


Using unit circle find the measure of angle formed by terminal side

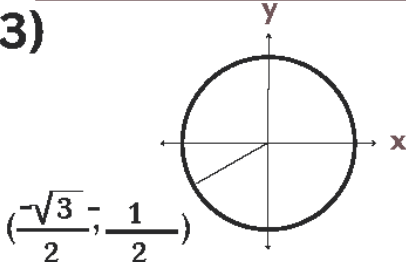
1)



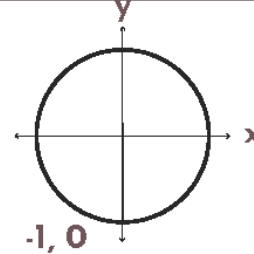
2) $(\frac{-\sqrt{3}}{2}, \frac{1}{2})$



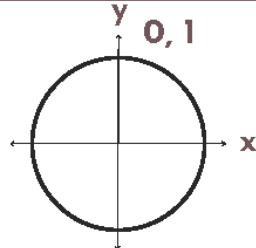
3)



4)



5)



6)

