

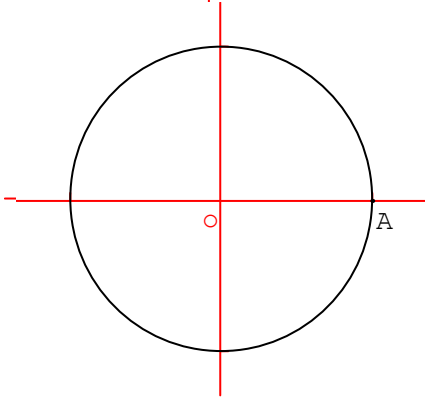
TD N° EQUATIONS TRIGONOMETRIQUES ET ANGLES REMARQUABLES.

NOM : PRENOM :

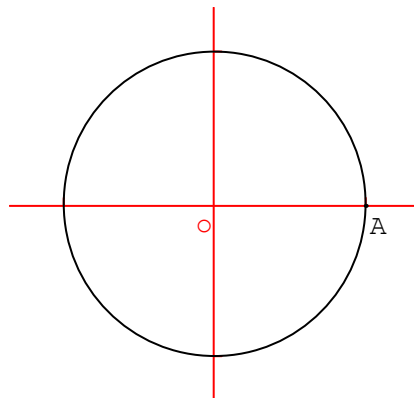
I) Angles remarquables :

Exercice n°1 : Dans chacun des cas suivants, déterminer à l'aide du cercle trigonométrique un réel θ solution du système donné.

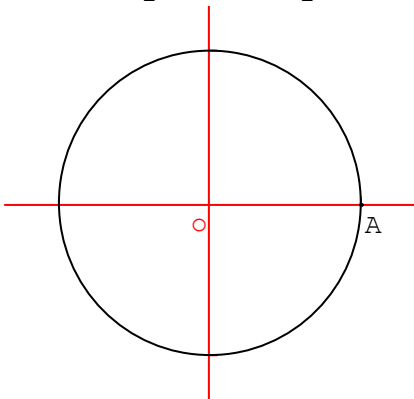
1.a $\cos \theta = \frac{1}{2}$ et $\sin \theta = \frac{\sqrt{3}}{2}$, $\theta = \dots\dots\dots k \in \mathbb{Z}$



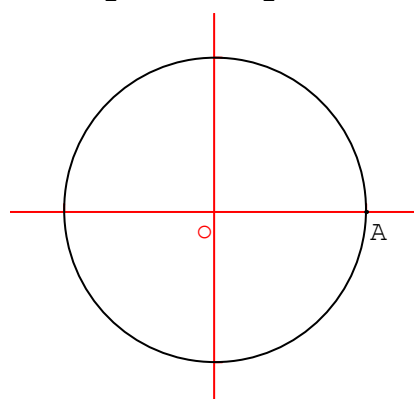
b. $\cos \theta = -\frac{1}{2}$ et $\sin \theta = \frac{\sqrt{3}}{2}$, $\theta = \dots\dots\dots k \in \mathbb{Z}$



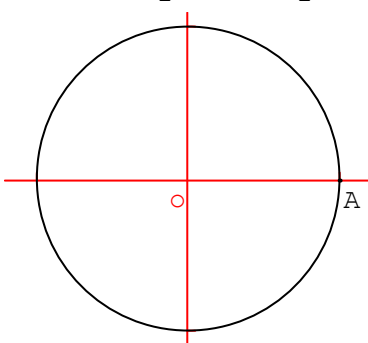
c. $\cos \theta = \frac{1}{2}$ et $\sin \theta = -\frac{\sqrt{3}}{2}$, $\theta = \dots\dots\dots k \in \mathbb{Z}$



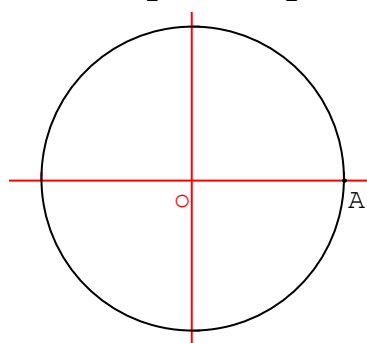
d. $\cos \theta = -\frac{1}{2}$ et $\sin \theta = -\frac{\sqrt{3}}{2}$, $\theta = \dots\dots\dots k \in \mathbb{Z}$



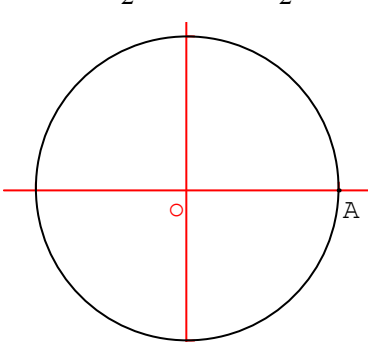
2.a. $\cos \theta = \frac{\sqrt{3}}{2}$ et $\sin \theta = \frac{1}{2}$, $\theta = \dots\dots\dots k \in \mathbb{Z}$



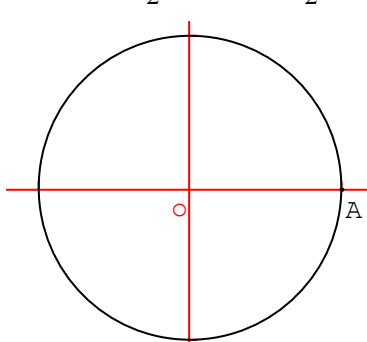
b. $\cos \theta = -\frac{\sqrt{3}}{2}$ et $\sin \theta = \frac{1}{2}$, $\theta = \dots\dots\dots k \in \mathbb{Z}$



c. $\cos \theta = \frac{\sqrt{3}}{2}$ et $\sin \theta = -\frac{1}{2}$, $\theta = \dots\dots\dots k \in \mathbb{Z}$

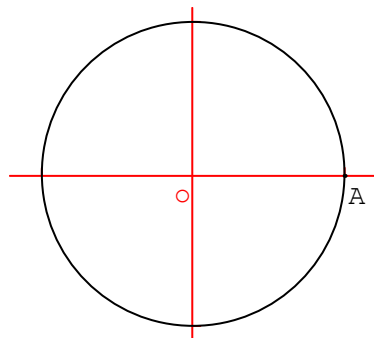


d. $\cos \theta = -\frac{\sqrt{3}}{2}$ et $\sin \theta = -\frac{1}{2}$, $\theta = \dots\dots\dots k \in \mathbb{Z}$

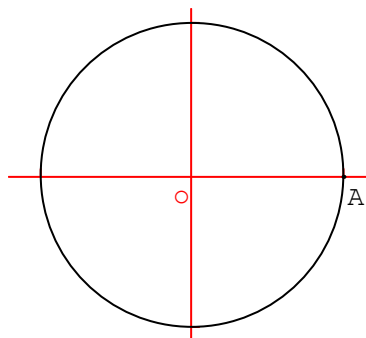


TD N°: EQUATIONS TRIGONOMETRIQUES ET ANGLES REMARQUABLES.

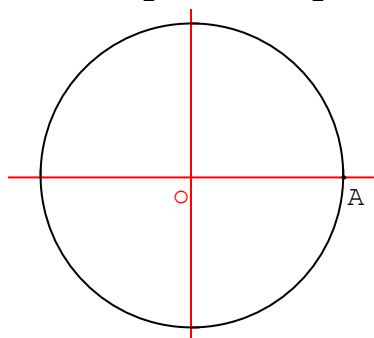
3.a. $\cos \theta = \frac{\sqrt{2}}{2}$ et $\sin \theta = \frac{\sqrt{2}}{2}$, $\theta = \dots\dots\dots k \in \mathbb{Z}$



b. $\cos \theta = -\frac{\sqrt{2}}{2}$ et $\sin \theta = \frac{\sqrt{2}}{2}$, $\theta = \dots\dots\dots k \in \mathbb{Z}$



c. $\cos \theta = \frac{\sqrt{2}}{2}$ et $\sin \theta = -\frac{\sqrt{2}}{2}$, $\theta = \dots\dots\dots k \in \mathbb{Z}$



d. $\cos \theta = -\frac{\sqrt{2}}{2}$ et $\sin \theta = -\frac{\sqrt{2}}{2}$, $\theta = \dots\dots\dots k \in \mathbb{Z}$

