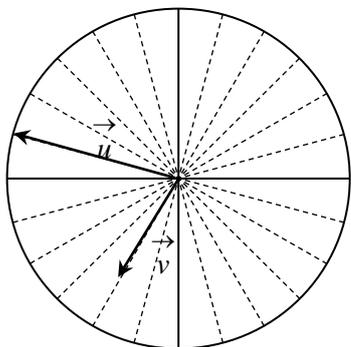


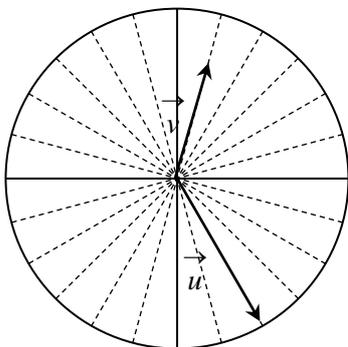
EXERCICE 1B.1

On a partagé le cercle en 24 secteurs d'angle $\frac{\pi}{12}$. Le sens direct est le sens antihoraire.

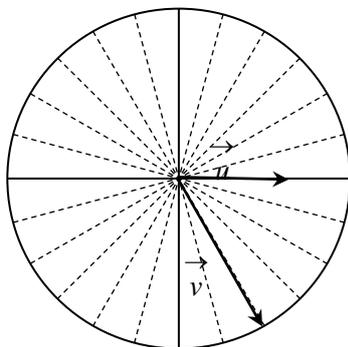
a. Dans chaque cas, donner la mesure principale de l'angle $(\vec{u}; \vec{v})$:



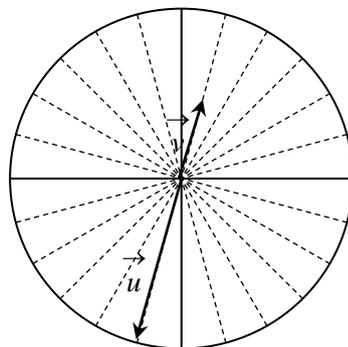
$(\vec{u}; \vec{v}) =$



$(\vec{u}; \vec{v}) =$

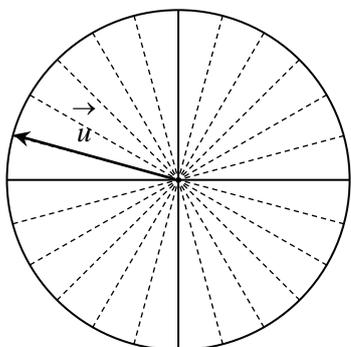


$(\vec{u}; \vec{v}) =$

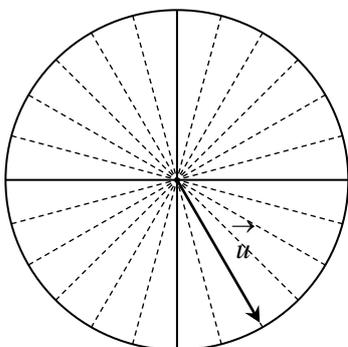


$(\vec{u}; \vec{v}) =$

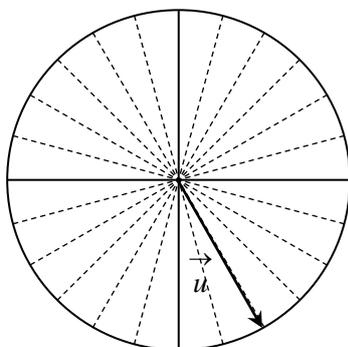
b. Dans chaque cas, construire un vecteur \vec{v} satisfaisant la condition sur $(\vec{u}; \vec{v})$:



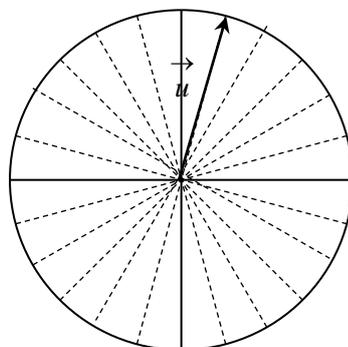
$(\vec{u}; \vec{v}) = \frac{\pi}{3}$



$(\vec{u}; \vec{v}) = -\frac{\pi}{4}$



$(\vec{u}; \vec{v}) = -\frac{2\pi}{3}$



$(\vec{u}; \vec{v}) = \frac{5\pi}{6}$

EXERCICE 1B.2

Déterminer les angles suivants :

$\rightarrow (\vec{v}; \vec{w}) =$

$\rightarrow (\vec{u}; \vec{w}) =$

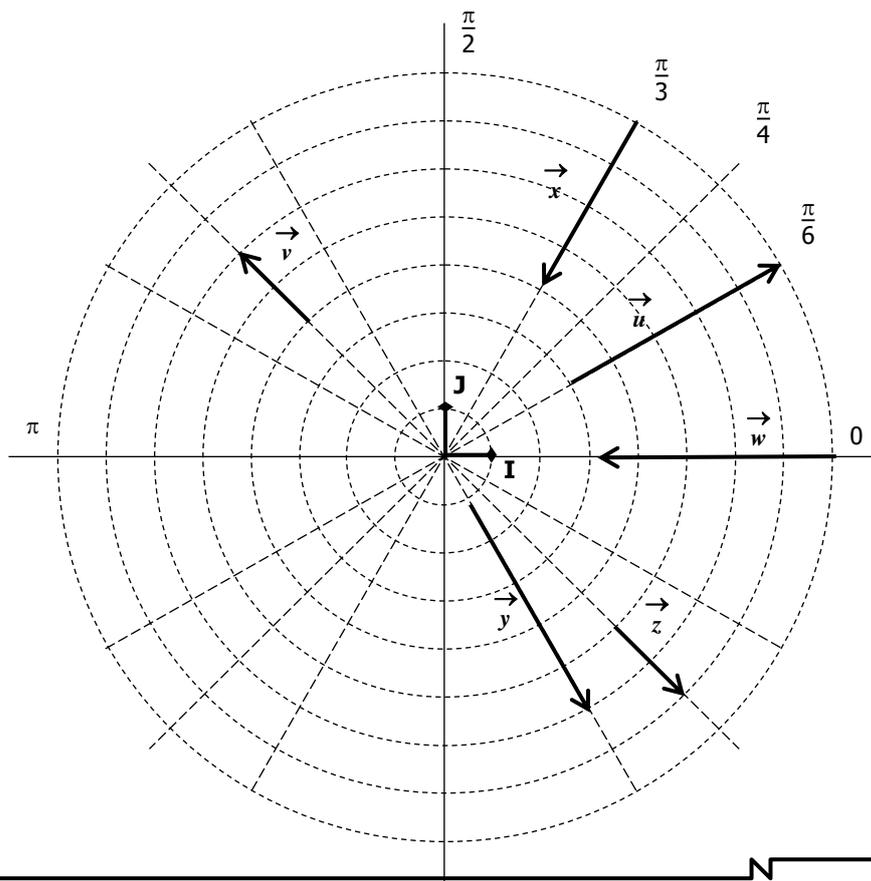
$\rightarrow (\vec{x}; \vec{y}) =$

$\rightarrow (\vec{u}; \vec{y}) =$

$\rightarrow (\vec{x}; \vec{w}) =$

$\rightarrow (\vec{u}; \vec{x}) =$

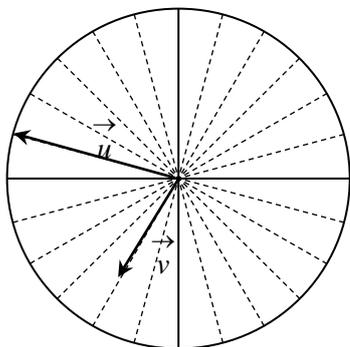
$\rightarrow (\vec{z}; \vec{v}) =$



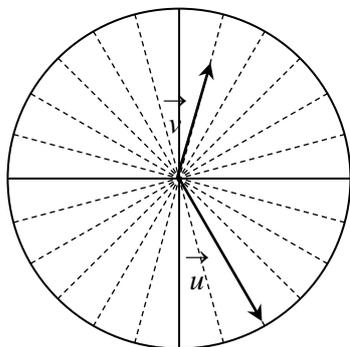
CORRIGE – NOTRE DAME DE LA MERCI - MONTPELLIER

EXERCICE 1B.1 On a partagé le cercle en 24 secteurs d'angle $\frac{\pi}{12}$. Le sens direct est le sens antihoraire.

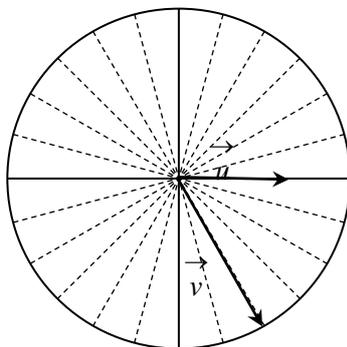
a. Dans chaque cas, donner la mesure principale de l'angle $(\vec{u}; \vec{v})$:



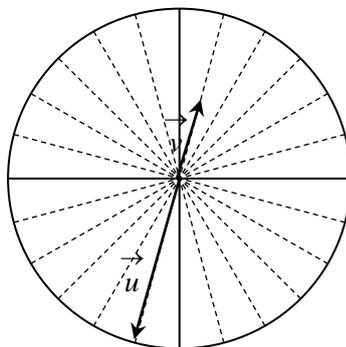
$$(\vec{u}; \vec{v}) = \frac{5\pi}{12}$$



$$(\vec{u}; \vec{v}) = \frac{9\pi}{12} = \frac{3\pi}{4}$$

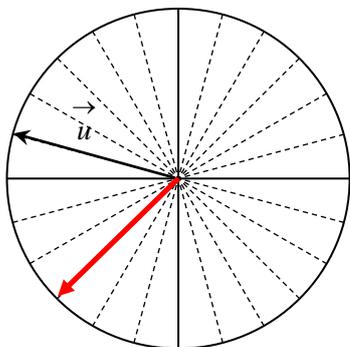


$$(\vec{u}; \vec{v}) = -\frac{4\pi}{12} = -\frac{\pi}{3}$$

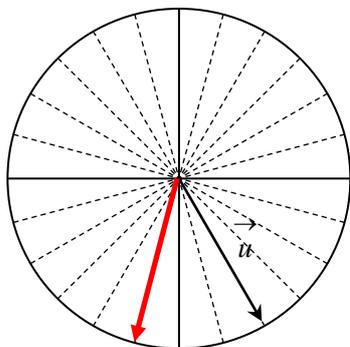


$$(\vec{u}; \vec{v}) = \pi$$

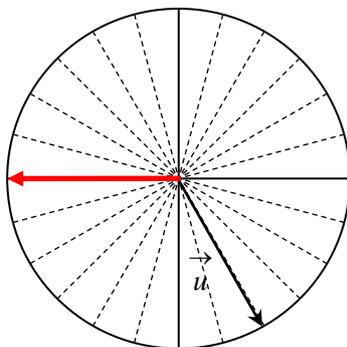
b. Dans chaque cas, construire un vecteur \vec{v} satisfaisant la condition sur $(\vec{u}; \vec{v})$:



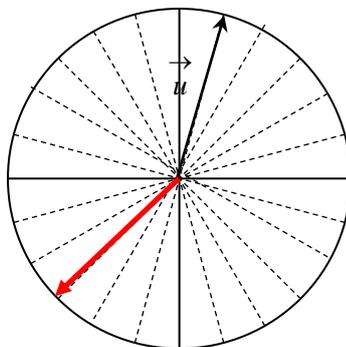
$$(\vec{u}; \vec{v}) = \frac{\pi}{3}$$



$$(\vec{u}; \vec{v}) = -\frac{\pi}{4}$$



$$(\vec{u}; \vec{v}) = -\frac{2\pi}{3}$$



$$(\vec{u}; \vec{v}) = \frac{5\pi}{6}$$

EXERCICE 1B.2

Déterminer les angles suivants :

$$\rightarrow (\vec{v}; \vec{w}) = \frac{\pi}{4}$$

$$\rightarrow (\vec{u}; \vec{w}) = \frac{5\pi}{6}$$

$$\rightarrow (\vec{x}; \vec{y}) = \frac{\pi}{3}$$

$$\rightarrow (\vec{u}; \vec{y}) = -\frac{\pi}{2}$$

$$\rightarrow (\vec{x}; \vec{w}) = -\frac{2\pi}{3}$$

$$\rightarrow (\vec{u}; \vec{x}) = -\frac{5\pi}{6}$$

$$\rightarrow (\vec{z}; \vec{v}) = \pi$$

