Vendredi 25/04/2025

NOM, Prénom :

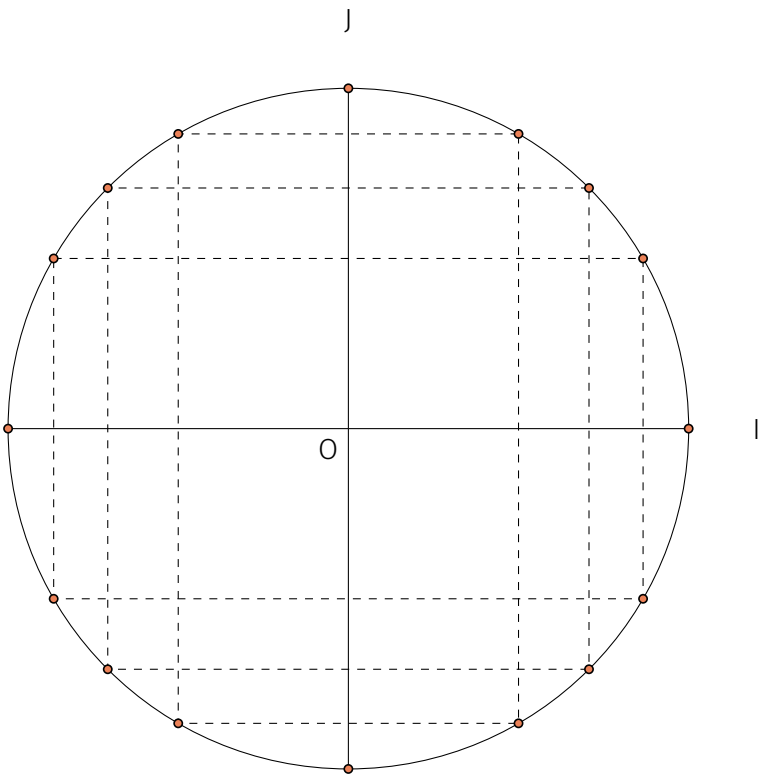
Interrogation de cours - Sujet B

1ère spé

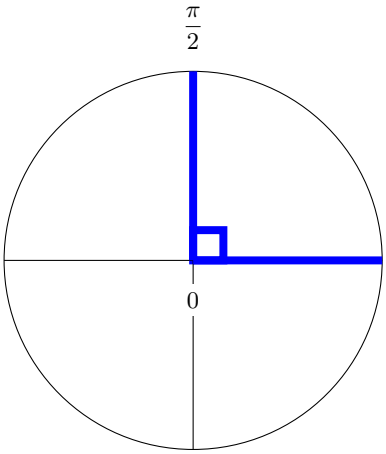
Calculatrice interdite

Pour chaque expression, placer le point M_i correspondant à la valeur de l'angle sur le cercle trigonométrique et donner la valeur exacte :

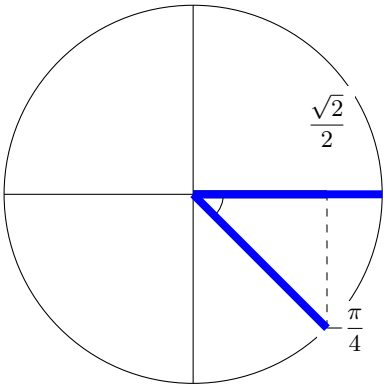
1. $\cos\left(\frac{\pi}{2}\right)$
2. $\cos\left(-\frac{\pi}{4}\right)$
3. $\cos\left(-\frac{\pi}{2}\right)$
4. $\sin\left(\frac{3\pi}{4}\right)$
5. $\cos\left(\frac{2\pi}{3}\right)$
6. $\sin\left(\frac{5\pi}{6}\right)$
7. $\sin\left(-\frac{\pi}{4}\right)$
8. $\cos\left(\frac{\pi}{6}\right)$
9. $\sin\left(\frac{\pi}{2}\right)$
10. $\sin\left(3\pi\right)$



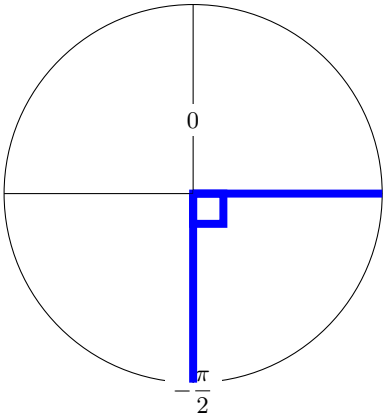
1. $\cos\left(\frac{\pi}{2}\right) = 0$



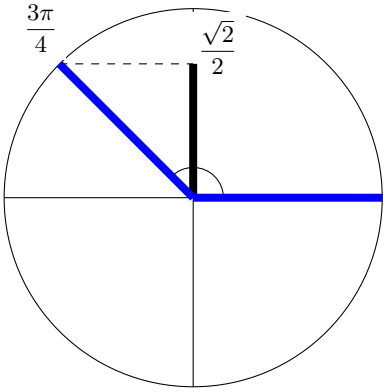
2. $\cos\left(-\frac{\pi}{4}\right) = \frac{\sqrt{2}}{2}$



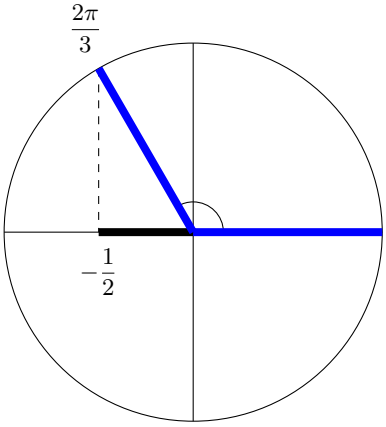
3. $\cos\left(-\frac{\pi}{2}\right) = 0$



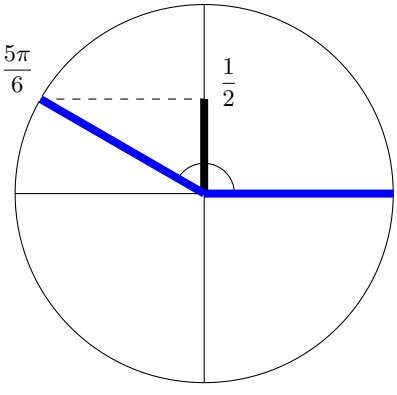
4. $\sin\left(\frac{3\pi}{4}\right) = \frac{\sqrt{2}}{2}$



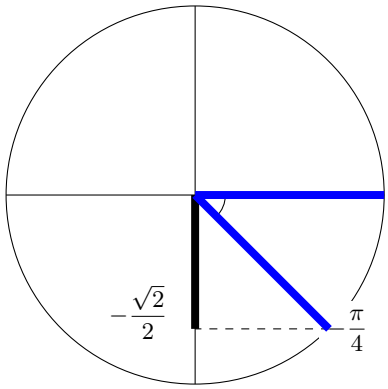
5. $\cos\left(\frac{2\pi}{3}\right) = -\frac{1}{2}$



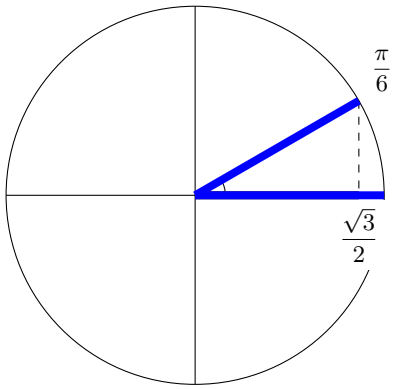
6. $\sin\left(\frac{5\pi}{6}\right) = \frac{1}{2}$



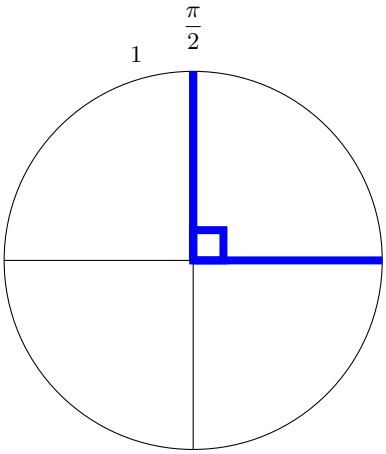
7. $\sin\left(-\frac{\pi}{4}\right) = -\frac{\sqrt{2}}{2}$



8. $\cos\left(\frac{\pi}{6}\right) = \frac{\sqrt{3}}{2}$



9. $\sin\left(\frac{\pi}{2}\right) = 1$



10. $\sin(3\pi) = 0$