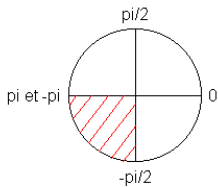


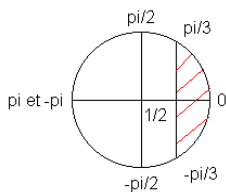
Dans chacun des cas suivants, représenter sur un cercle trigonométrique l'ensemble des points  $M$  du cercle, associés aux réels  $x$  de  $[-\pi ; \pi]$ , que l'on précisera :

a)  $\cos x \leq 0$  et  $\sin x \leq 0$ .



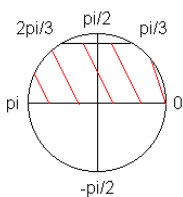
$$-\pi \leq x \leq -\frac{\pi}{2}$$

b)  $\frac{1}{2} \leq \cos x \leq 1$ .



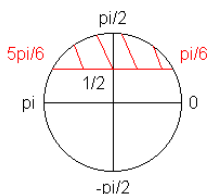
$$-\frac{\pi}{3} \leq x \leq +\frac{\pi}{3}$$

c)  $0 \leq \sin x \leq \frac{\sqrt{3}}{2}$ .



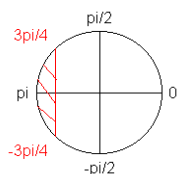
$$0 \leq x \leq \frac{\pi}{3} \text{ et } \frac{2\pi}{3} \leq x \leq \pi$$

d)  $\sin x > \frac{1}{2}$ .



$$\frac{\pi}{6} < x < \frac{5\pi}{6}$$

e)  $\cos x \leq -\frac{\sqrt{2}}{2}$ .



$$-\pi \leq x \leq -\frac{3\pi}{4} \text{ et } \frac{3\pi}{4} \leq x \leq \pi$$