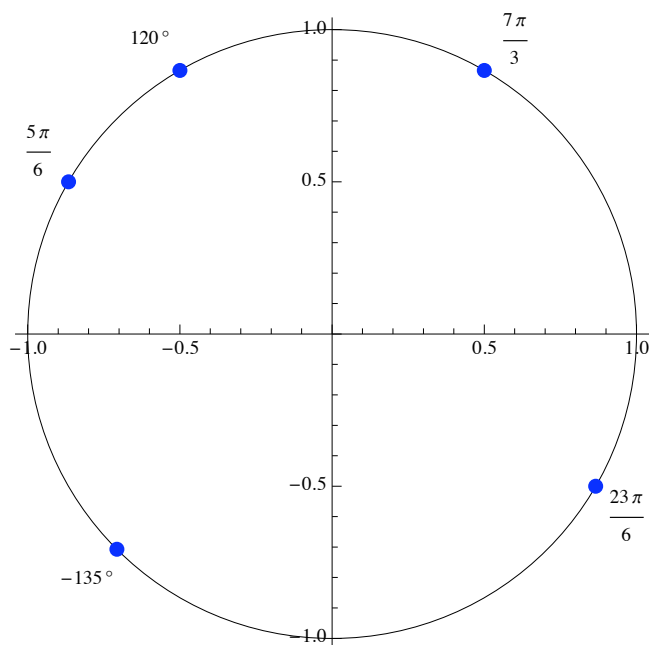


Trigonométrie

■ Représenter les angles suivants sur le cercle trigonométrique

- 1) 120°
- 2) -135°
- 3) $\frac{5\pi}{6}$
- 4) $\frac{7\pi}{3}$
- 5) $\frac{23\pi}{6}$

■ Solutions

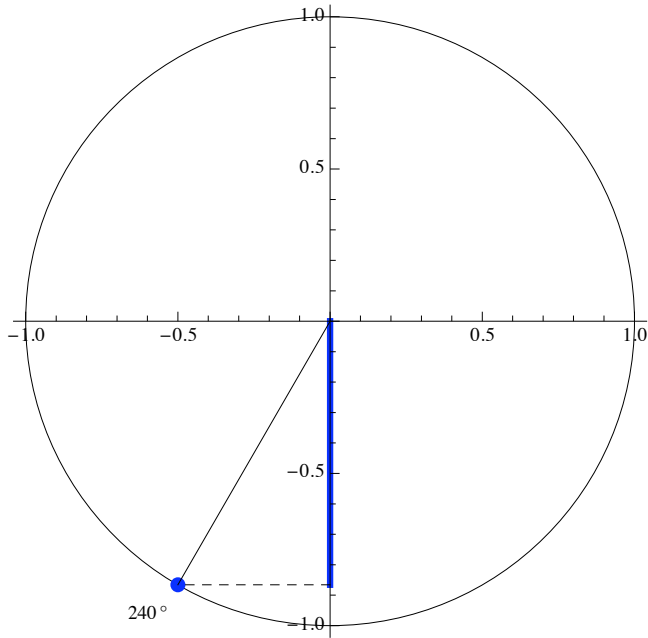


■ Représente les nombres trigonométriques suivants et donne leur valeur

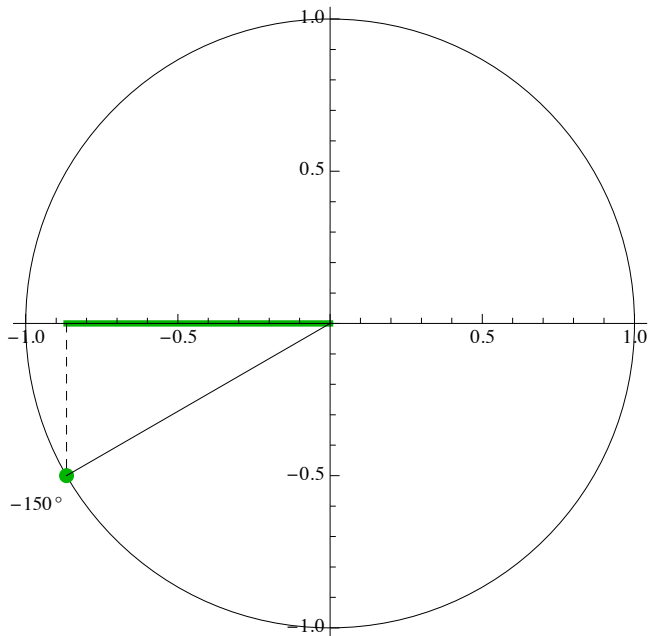
- 1) $\sin(240^\circ)$
- 2) $\cos(-150^\circ)$
- 3) $\operatorname{tg}\left(\frac{7\pi}{3}\right)$
- 4) $\operatorname{cotg}\left(\frac{5\pi}{4}\right)$
- 5) $\operatorname{tg}\left(\frac{3\pi}{4}\right)$

Solutions

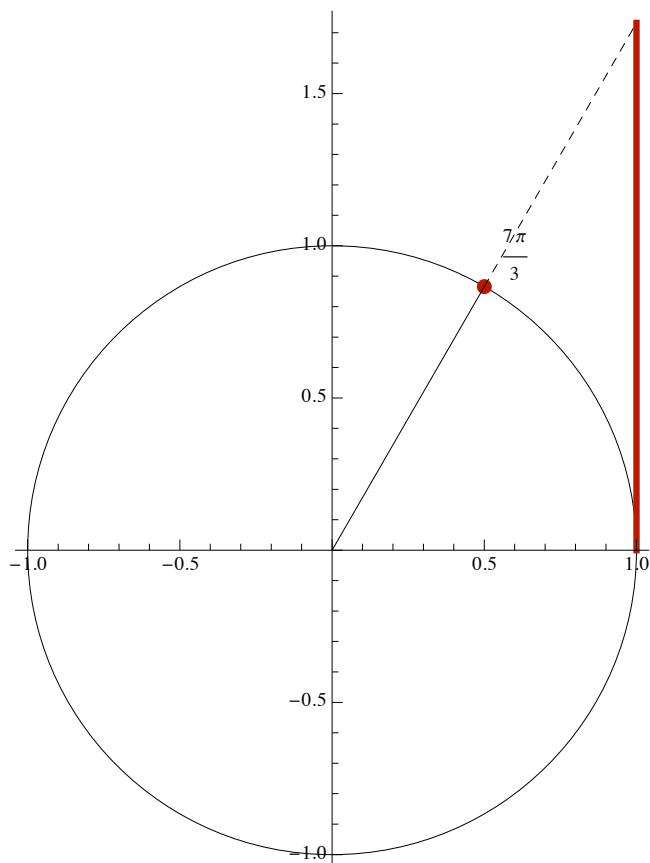
1) $\sin(240^\circ) = -\frac{\sqrt{3}}{2}$



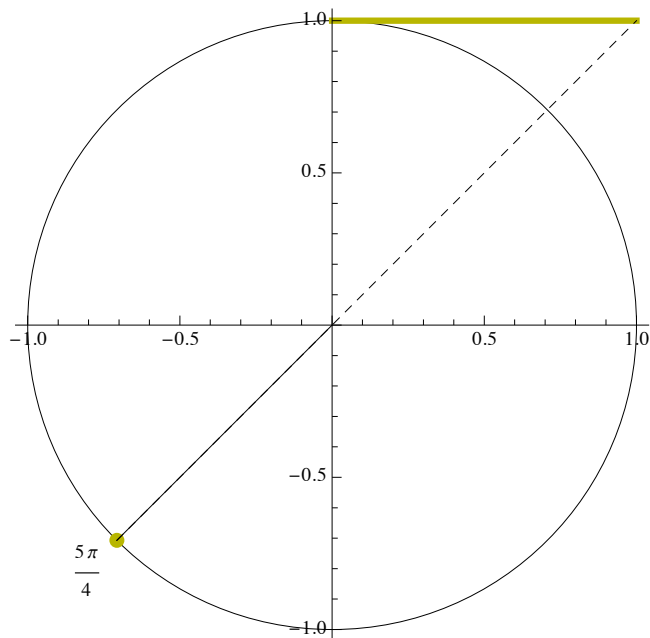
2) $\cos(-150^\circ) = -\frac{\sqrt{3}}{2}$



3) $\operatorname{tg}\left(\frac{7\pi}{3}\right) = \sqrt{3}$



4) $\cotg\left(\frac{5\pi}{4}\right) = 1$



5) $\tg\left(\frac{3\pi}{4}\right) = -1$

