

三角形の性質③

数Ⅱ(三角関数の性質③)

次の値を求めよう。

① $\sin \frac{7}{3}\pi$

② $\cos \frac{11}{4}\pi$

③ $\tan \frac{19}{4}\pi$

④ $\sin(-\frac{\pi}{6})$

⑤ $\cos(-\frac{\pi}{3})$

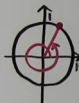
⑥ $\tan(-\frac{\pi}{6})$

数Ⅱ(三角関数の性質③)

次の値を求めよう。

① $\sin \frac{7}{3}\pi$

$\sin(2\pi + \frac{\pi}{3})$
 $= \sin \frac{\pi}{3} = \frac{\sqrt{3}}{2}$



② $\cos \frac{11}{4}\pi$

$\cos \frac{3}{4}\pi = -\frac{1}{\sqrt{2}}$

$\frac{2\pi}{4}$

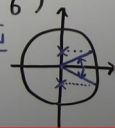
$0 < \theta < \pi$

③ $\tan \frac{19}{4}\pi$

$\tan \frac{3}{4}\pi = -1$

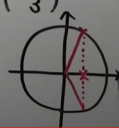
④ $\sin(-\frac{\pi}{6})$

$= -\sin \frac{\pi}{6}$
 $= -\frac{1}{2}$



⑤ $\cos(-\frac{\pi}{3})$

$= \cos \frac{\pi}{3}$
 $= \frac{1}{2}$



⑥ $\tan(-\frac{\pi}{6})$

$= -\tan \frac{\pi}{6}$
 $= -\frac{1}{\sqrt{3}}$

