

▶ ค่าของฟังก์ชันไซน์และฟังก์ชันโคไซน์ ◀

ให้นักเรียนเติมช่องว่างของค่า $\sin$ และ $\cos$ ของจำนวนจริงที่กำหนดไว้ในแต่ละข้อต่อไปนี้ให้ถูกต้อง

$$101\pi$$

$$\sin 101\pi = \sin(100\pi + \pi) = \boxed{}$$

$$\cos 101\pi = \cos(100\pi + \pi) = \boxed{}$$

$$\frac{7\pi}{6}$$

$$\sin \frac{7\pi}{6} = \sin\left(\pi + \frac{\pi}{6}\right) = -\frac{\boxed{}}{2}$$

$$\cos \frac{7\pi}{6} = \cos\left(\pi + \frac{\pi}{6}\right) = -\frac{\sqrt{3}}{\boxed{}}$$

$$\frac{17\pi}{6}$$

$$\sin \frac{17\pi}{6} = \sin\left(3\pi - \frac{\pi}{6}\right) = \frac{\boxed{}}{2}$$

$$\cos \frac{17\pi}{6} = \cos\left(3\pi - \frac{\pi}{6}\right) = -\frac{\sqrt{3}}{\boxed{}}$$

$$\frac{23\pi}{6}$$

$$\sin \frac{23\pi}{6} = \sin\left(4\pi - \frac{\pi}{6}\right) = -\frac{\boxed{}}{2}$$

$$\cos \frac{23\pi}{6} = \cos\left(4\pi - \frac{\pi}{6}\right) = \frac{\sqrt{3}}{\boxed{}}$$

$$\frac{7\pi}{2}$$

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

$$\cos \frac{7\pi}{2} = \cos\left(4\pi - \frac{\pi}{2}\right) = \boxed{}$$

$$13\pi + \frac{\pi}{2}$$

$$\sin\left(13\pi + \frac{\pi}{2}\right) = \boxed{}$$

$$\cos\left(13\pi + \frac{\pi}{2}\right) = \boxed{}$$

$$\frac{19\pi}{4}$$

$$\sin \frac{19\pi}{4} = \sin\left(5\pi - \frac{\pi}{4}\right) = \frac{\sqrt{2}}{2}$$

$$\cos \frac{19\pi}{4} = \cos\left(5\pi - \frac{\pi}{4}\right) = -\frac{\sqrt{2}}{\boxed{}}$$

$$9\pi - \frac{\pi}{2}$$

$$\sin\left(9\pi - \frac{\pi}{2}\right) = \boxed{}$$

$$\cos\left(9\pi - \frac{\pi}{2}\right) = \boxed{}$$

ชื่อ.....

เลขที่.....ชั้น.....