

Find the exact value without the use of a calculator. When appropriate give your answer in radians and degrees.

$$\arcsin\left(\cos\left(\frac{4\pi}{3}\right)\right)$$

$$\arccos\left(\tan\left(-\frac{\pi}{4}\right)\right)$$

$$\cos\left(\tan^{-1} -\sqrt{3}\right)$$

$$\tan^{-1}(\cos \pi)$$