



Trigonometry, Negative Angles Identity (Equations) - Cos/Sin/Tan to Identity (Radians)

1

$$\sin\left(-\frac{3\pi}{4}\right)$$

What is true about the sine of this negative angle?

A

$$\sin\left(-\frac{3\pi}{4}\right) = -\sin\left(\frac{3\pi}{4}\right)$$

B

$$\sin\left(-\frac{3\pi}{4}\right) = \sin\left(\frac{3\pi}{4}\right)$$

2

$$\sin\left(-\frac{5\pi}{6}\right)$$

What is true about the sine of this negative angle?

A

$$\sin\left(-\frac{5\pi}{6}\right) = \sin\left(\frac{5\pi}{6}\right)$$

B

$$\sin\left(-\frac{5\pi}{6}\right) = -\sin\left(\frac{5\pi}{6}\right)$$

3

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

What is true about the cosine of this negative angle?

A

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

B

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

4

$$\tan\left(-\frac{5\pi}{6}\right)$$

What is true about the tangent of this negative angle?

A

$$\tan\left(-\frac{5\pi}{6}\right) = \tan\left(\frac{5\pi}{6}\right)$$

B

$$\tan\left(-\frac{5\pi}{6}\right) = -\tan\left(\frac{5\pi}{6}\right)$$

5

$$\tan\left(-\frac{2\pi}{3}\right)$$

What is true about the tangent of this negative angle?

A

$$\tan\left(-\frac{2\pi}{3}\right) = -\tan\left(\frac{2\pi}{3}\right)$$

B

$$\tan\left(-\frac{2\pi}{3}\right) = \tan\left(\frac{2\pi}{3}\right)$$

6

$$\sin\left(-\frac{\pi}{3}\right)$$

What is true about the sine of this negative angle?

A

$$\sin\left(-\frac{\pi}{3}\right) = \sin\left(\frac{\pi}{3}\right)$$

B

$$\sin\left(-\frac{\pi}{3}\right) = -\sin\left(\frac{\pi}{3}\right)$$

7

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

What is true about the cosine of this negative angle?

A

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

B

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

8

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

What is true about the cosine of this negative angle?

A

$$\cos\left(-\frac{\pi}{3}\right) = -\cos\left(\frac{\pi}{3}\right)$$

B

$$\cos\left(-\frac{\pi}{3}\right) = \cos\left(\frac{\pi}{3}\right)$$