View hints View feedback Play All

QUESTION 1

Drag and drop the correct answer into the space(s) provided.

Evaluate

$$\cos^{-1}\left(\frac{\sqrt{2}}{2}\right)$$

.

$$\cos^{-1}\left(\frac{\sqrt{2}}{2}\right)=$$

$\frac{\pi}{4}$ ✓

$\frac{\pi}{2}$ $\frac{\pi}{3}$ $\frac{\pi}{6}$

QUESTION 2

Drag and drop the correct answer into the space(s) provided.

Determine the exact value of

$$\sin^{-1}\left(-\frac{\sqrt{2}}{2}\right)$$

.

https://t.me/+CbbW8n6Up6U5OGE8

$\sin^{-1}\left(-\frac{\sqrt{2}}{2}\right)=$

$-\frac{\pi}{4}$ ✓

$-\frac{\pi}{2}$ $\frac{5\pi}{4}$ $\frac{7\pi}{4}$

https://t.me/+CbbW8n6Up6U5OGE8

QUESTION 3

Fill in the blank(s) with the correct answer.

Find the exact value of

$\cos^{-1} 0$

.

$\cos^{-1} 0 =$

$\frac{\pi}{2}$ ✓

QUESTION 4

Fill in the blank(s) with the correct answer.

Evaluate

$\sin^{-1}\left(\frac{\sqrt{3}}{2}\right)$

.

$\sin^{-1}\left(\frac{\sqrt{3}}{2}\right)=$

$\frac{\pi}{3}$ ✓

https://t.me/+CbbW8n6Up6U5OGE8

QUESTION 5

Fill in the blank(s) with the correct answer.

Determine the exact value of

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

.

Enter your answer in radians.

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

$-\frac{\pi}{3}$ ✓

QUESTION 6

Choose the correct answer from the drop-down menu.

Evaluate

$\tan^{-1}0$

.

$\tan^{-1} 0 =$

0 ✓

QUESTION 7

Choose the correct answer from the drop-down menu.

Evaluate

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

.

$\cos^{-1}(-1) =$

π ✓

QUESTION 8

Choose the correct answer from the drop-down menu.

Evaluate

$\cos^{-1}\left(\frac{\sqrt{3}}{2}\right)$

.

$\cos^{-1}\left(\frac{\sqrt{3}}{2}\right) =$

https://t.me/+CbbW8n6Up6U5OGE8

$\frac{\pi}{6}$ ✓

QUESTION 9

Choose the correct answer from the drop-down menu.

Find the exact value of

$\sin^{-1}\frac{1}{2}$

.

$\sin^{-1}\frac{1}{2} =$

$\frac{\pi}{6}$ ✓

QUESTION 10

Select the correct option.

Find the exact value of

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

.

- ○ $\frac{\pi}{3}$

https://t.me/+CbbW8n6Up6U5OGE8

https://t.me/+CbbW8n6Up6U5OGE8

$\frac{\pi}{6}$

$-\frac{\pi}{6}$ ✓

$-\frac{\pi}{3}$

QUESTION 11

Select the correct option.

What is the exact value of

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

?

$\frac{\pi}{6}$ ✓

$-\frac{\pi}{6}$

$-\frac{\pi}{3}$

https://t.me/+CbbW8n6Up6U5OGE8

- $\frac{\pi}{3}$

QUESTION 12

Select the correct option.

Evaluate

$\sin^{-1} 1$

.

- $-\frac{\pi}{2}$
- 0
- π
- $\frac{\pi}{2}$ ✓

QUESTION 13

Select the correct option.

Evaluate

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

.

- ○ π
- ◉ $-\frac{\pi}{4}$ ✓
- ○ $\frac{\pi}{2}$
- ○ $\frac{\pi}{4}$

QUESTION 14

Select the correct option.

Find the exact value of

$\cos^{-1}\left(-\frac{1}{2}\right)$

.

- ○ $\frac{\pi}{3}$

https://t.me/+CbbW8n6Up6U5OGE8

https://t.me/+CbbW8n6Up6U5OGE8

- $-\frac{4\pi}{3}$
- $\frac{2\pi}{3}$ ✓
- $-\frac{\pi}{3}$

QUESTION 15

Select the correct option.

What is $\sin^{-1} 0$?

- 0 ✓
- 1
- $-\frac{\pi}{2}$
- $\frac{\pi}{2}$

https://t.me/+CbbW8n6Up6U5OGE8