

Question # 10 of 10 (Start time: 01:23:08 AM, 28 June 2024)

The smallest interval for which the trigonometric function repeats itself is called its _____.

Select the correct option

<input checked="" type="radio"/>	period
<input type="radio"/>	amplitude
<input type="radio"/>	angle
<input type="radio"/>	range

Click to S

Question # 9 of 10 (Start time: 01:22:22 AM, 28 June 2024)

$$\cos 2A = \underline{\hspace{2cm}} .$$

Select the correct option



$$\cos^2 A + \sin^2 A$$



$$1 - \cos^2 A$$



$$2\cos^2 A - 1$$



$$2 \sin A \cos A$$

[Click to Save Answer](#)

Question # 8 of 10 (**Start time: 01:21:31 AM, 28 June 2024**)

The function $y = \sin 3x$ has period...

Select the correct option

<input type="radio"/>	π
<input type="radio"/>	$\frac{\pi}{2}$
<input type="radio"/>	2π
<input checked="" type="radio"/>	$\frac{2\pi}{3}$

[Click to S](#)

MTH100 - General Mathematics (Quiz No. 3)

Question # 7 of 10 (**Start time: 01:20:52 AM, 28 June 2024**)

The range of cosine function is between -1 and 1.

Select the correct option



False



True

Question # 6 of 10 (Start time: 01:20:28 AM, 28 June 2024)

Total Marks: 1

The _____ of a trigonometric function is the height from the mean (or the rest) value of the trigonometric function to its maximum or minimum value.

Select the correct option

angle

period

range

amplitude

Click to Save Answer & Move to Next Question

Question # 5 of 10 (Start time: 01:19:48 AM, 28 June 2024)

Two functions f and g are said to be identically equal if _____ for every value of x for which both functions are defined.

Select the correct option

 Reload

$g(x) = y$

$f(x) = g(x)$

$f(x) = y$

$f(x) + g(x)$

Click to Save Answer & Move to

MTH100 – General Mathematics (Quiz No. 3)

Question # 4 of 10 (Start time: 01:19:13 AM, 28 June 2024)

The value of $\sin 135^\circ$ is same as the value of

Select the correct option

<input type="radio"/>	$-\sin 90^\circ$
<input type="radio"/>	$-\sin 45^\circ$
<input type="radio"/>	$-\sin 135^\circ$
<input checked="" type="radio"/>	$\sin 45^\circ$



Question # 3 of 10 (Start time: 01:17:54 AM, 28 June 2024)

The sum formula for $\cos(A + B)$ is _____.

Select the correct option

<input checked="" type="radio"/>	$\cos A \cos B - \sin A \sin B$
<input type="radio"/>	$\sin A \cos B + \cos A \sin B$
<input type="radio"/>	$\cos A \cos B + \sin A \sin B$
<input type="radio"/>	$\sin A \cos B - \cos A \sin B$



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Question # 2 of 10 (**Start time: 01:16:44 AM, 28 June 2024**)

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

Select the correct option

<input type="radio"/>	$\operatorname{cosec}\left(\frac{\pi}{4}\right)$
<input type="radio"/>	$-\sec\left(\frac{\pi}{4}\right)$
<input type="radio"/>	$\sin\left(\frac{\pi}{4}\right)$
<input checked="" type="radio"/>	$-\sin\left(\frac{\pi}{4}\right)$

MTH100 - General Mathematics (Quiz No. 3)

Question # 1 of 10 (**Start time: 01:16:07 AM, 28 June 2024**)

Determine the slope of the line that passes through (2, 2) and (5, 8).

Select the correct option

<input checked="" type="radio"/>	2
<input type="radio"/>	-2
<input type="radio"/>	10/7
<input type="radio"/>	1/2