

Time: 07:55:49 PM, 28 January 2023)

The equation of a horizontal line passing through the point (1,2) is

Select the correct option

☐

$$y = 1$$

☒

$$y = 2$$

☐

$$x = 1$$

☐

$$x = 2$$

To get future Google Chrome updates, you'll need Windows 10 or later. This computer is using Windows 8.1.

The equation $ax^2 + 2hxy + by^2 + 2gx + 2fy + c = 0$ represents a circle, the condition will be

Select the correct option

☐

$f = g$ and $c = 0$

☐

$a = b$ and $h = 0$

☒

$f = g$ and $h = 0$

☐

$a = b$ and $c = 0$

updates, you'll need Windows 10 or later. This computer is using Windows 8.1.

Time: 07:53:06 PM, 28 January 2023)

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

 Reload M

$$1 - \cos^2 A$$

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

$$2 \sin A \cos A$$



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

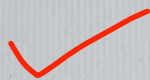
Click to Save Answer & Move to Ne

time: 07:52:23 PM, 28 January 2023)

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



Relo



$$2 \sin A \cos A$$

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

$$1 - 2\sin^2 A$$

$$\cos^2 A - \sin^2 A$$

Algebra and Trigonometry (Quiz #3)

Question # 6 of 10 (Start time: 07:51:44 PM, 28 January 2023)

Write the standard form of the equation of the circle with radius 11 and centre (0, 6).

Select the correct option

- | | |
|----------------------------------|-------------------------|
| ☒ | $x^2 + (y - 6)^2 = 121$ |
| ☐ | $x^2 + (y + 6)^2 = 11$ |
| ☐ | $(x - 6)^2 + y^2 = 121$ |
| ☐ | $(x + 6)^2 + y^2 = 121$ |

Question # 5 of 10 (Start time: 07:51:08 PM, 28 January 2023)

Find the center (h, k) and radius r of the circle with the given equation.

$$x^2 - 16x + 64 + (y + 3)^2 = 49$$

Select the correct option

☐ $(h, k) = (3, -8); r = 49$

☐ $(h, k) = (-8, 3); r = 49$

☒ $(h, k) = (8, -3); r = 7$

☐ $(h, k) = (-3, 8); r = 7$

Click to Save A

Question # 4 of 10 (Start time: 07:49:41 PM, 28 January 2023)

Graphical and numerical methods are specialized process utilized in

Select the correct option

☐	Social Statistics
☒	Descriptive Statistics
☐	Education Statistics
☐	Business Statistics

Question # 3 of 10 (Start time: 07:48:08 PM, 28 January 2023)

Not confirm

Find the coefficient of x^4 in the expansion of $(x + 4)^9$.

Select the correct option

☐ 327640

☐ 523001

☐ 428700

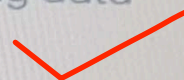
☐ 129024

get future Google Chrome updates, you'll need Windows 10 or later. This computer is using

In descriptive statistics, we study

Select the correct option

- | | |
|-----------------------|--|
| ☐ | How to describe the probability distribution |
| ☐ | The methods for organizing, displaying and describing data |
| ☐ | none of the above |
| ☐ | The description of the decision-making process. |



Question # 4 of 10 (Start time: 01:35:56 AM, 27 January 2023)

Total Marks: 1

Which branch of statistics deals with the techniques that are used to organize, summarize, and present the data:

Select the correct option

☐

Bayesian statistics

☐

Advanced statistics

☒

Descriptive statistics

☐

Probability statistics

[Click to Save Answer & Move to Next Question](#)



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7



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Time Left 24 sec(s)

MTH102 - Basic Algebra and Trigonometry (Quiz #3)

Quiz start Time: 01:04 AM, 27 January 2023

Question # 3 of 10 (start time: 01:06:32 AM, 27 January 2023)

Total Marks: 1

Budget of a household can be represented effectively through which of the following chart?

Select the correct option

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Histogram



Frequency chart



Pie Chart



Bar chart

Pie chart

Click to Save Answer & Move to Next Question



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Question # 1 of 10 (Start time: 10:16:21 PM, 27 January 2023)

Total Marks: 1

$$\tan 2A = \frac{2 \tan A}{1 - \tan^2 A}$$

Select the correct option

 reload Math Equations

$$\frac{2 \tan A}{1 - \tan^2 A}$$

$$\frac{\sin^2 A}{\cos^2 A}$$

$$\frac{\tan A + \tan B}{1 - \tan A \tan B}$$



$$\frac{2 \tan A}{1 - \tan^2 A}$$

Click to Save Answer & Move to Next Question

Question # 8 of 10 (Start time: 10:25:29 PM, 27 January 2023)

Total Marks: 1

The centre of a circle lies in _____ of the circle

Select the correct option

☒	interior
☐	none of these
☐	boundary
☐	exterior

Click to Save Answer & Move to Next Question

Question # 7 of 10 (Start time: 10:24:06 PM, 27 January 2023)

Total Marks:

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

Select the correct option

 Reload Math Equations

☐	$\cos(A+B)$
☐	$\frac{\cos(A-B)}{1+\cos(A+B)}$
☐	$\frac{2\cos(A)}{1+\cos^2(A)}$
☒	$\frac{\cos(A+B)}{1+\cos(A+B)}$

Click to Save Answer & Move to Next Question

Question # 8 of 10 (Start time: 10:22:36 PM, 27 January 2023)

Total Marks: 1

Write the standard form of the equation of the circle with radius 6 and centre $(-3, 0)$.

Select the correct option

 Refresh Math Equations

☐	$(x - 3)^2 + y^2 = 36$
☐	$x^2 + (y + 3)^2 = 6$
☐	$x^2 + (y - 3)^2 = 6$
☒	$(x + 3)^2 + y^2 = 36$

Click to Save Answer & Move to Next Question

The mean of a distribution is 23, the median is 24, and the mode is 25.5. It is most likely that this distribution:

Select the correct option

☒	Positively Skewed
☐	Asymptotic
☐	Negatively Skewed
☐	Symmetrical

Click to Save Answer & Move to Next Question

Question # 4 of 10 (Start time: 10:20:35 PM, 27 January 2023)

Total Marks: 1

Find the midpoint of the line segment joining the points P(1, 3) and Q(6, 8)

Select the correct option

 Reload Math Equations☐ (-5, -5)☐ (7, 11)☒  $\left(\frac{7}{2}, \frac{11}{2}\right)$ ☐ $\left(\frac{11}{2}, \frac{7}{2}\right)$

Click to Save Answer/ & Move to Next Question

Question # 3 of 10 (Start time: 10:19:25 PM, 27 January 2023)

In statistics, a population consists of:

Select the correct option

☒	All subjects or objects whose characteristics are being studied
☐	All people living in the area under study
☐	All people living in a country
☐	none of the above

Click to Save Answer & Move to Next Question

Question # 2 of 10 (Start time: 10:18:08 PM, 27 January 2023)

The variables whose calculation is done according to the height, length, and weight are categorised as

Select the correct option

☐	Flowchart Variables
☒	Continuous Variables
☐	Measuring Variables
☐	Discrete Variables

Click to Save Answer & Move to Next Question

Question # 5 of 10 (start time: 01:09:05 AM, 27 January 2023)

Total Marks: 1

The equation of a horizontal line passing through the point (1,2) is

Select the correct option

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- | | |
|----------------------------------|---------|
| ☐ | $x = 1$ |
| ☐ | $y = 1$ |
| ☒ | $y = 2$ |
| ☐ | $x = 2$ |

Click to Save Answer & Move to Next Question

Question # 4 of 10 (start time: 01:07:55 AM, 27 January 2023)

Total Marks: 1

The mean of a distribution is 23, the median is 24, and the mode is 25.5. It is most likely that this distribution:

VU learning with Moniba

Select the correct option

☐

Symmetrical

☒

Positively Skewed

☐

Negatively Skewed

☐

Asymptotic

Click to Save Answer & Move to Next Question

Question # 4 of 10 (Start time: 02:32:54 PM, 28 January 2023)

Total Marks: 1

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

Select the correct option

 Reload Math Equations


$$\cos A \cos B - \sin A \sin B$$



$$\sin A \cos B + \cos A \sin B$$



$$\cos A \cos B + \sin A \sin B$$



$$\sin A \cos B - \cos A \sin B$$

Click to Save Answer & Move to Next Question

Question # 5 of 10 (Start time: 02:33:40 PM, 28 January 2023)

Total Marks: 1

The centre of a circle lies in _____ of the circle.

Select the correct option

☐	none of these
☒	interior
☐	boundary
☐	exterior

[Click to Save Answer & Move to Next Question](#)

Question # 8 of 10 (start time: 02:35:30 PM, 28 January 2023)

Total Marks: 1

Frequency Density =

Select the correct option



Cumulative frequency/Class Width



Class Width/Frequency



Frequency/Class Width



Cumulative Frequency/Relative frequency

Click to Save Answer & Move to Next Question

Question # 1 of 10 (Start time: 02:31:16 PM, 28 January 2023)

Total Marks

The equation of a vertical line passing through the point $(0, 0)$ is

Select the correct option

☐ $x = 0$ ☒

none of the above

☐ $x-1=0$ ☐ $y = 0$ [Click to Save Answer & Move to Next Question](#)

Question # 3 of 10 (Start time: 01:35:32 AM, 27 January 2023)

Total Marks: 1

The equation of a horizontal line passing through the point $(0,0)$ is

Select the correct option

- ☒ $y = 0$ ✓
- ☐ none of the above
- ☐ $x - 1 = 0$
- ☐ $x = 0$

Time Left 9 sec(s)

MATH102 - Basic Algebra and Trigonometry (Quiz #3)

Quiz Start Time: 01:45 PM, 28 January 2023

Question # 8 of 10 (Start time: 01:50:07 PM, 28 January 2023)

Total Marks: 1

In descriptive statistics, we study

Select the correct option

☐ The methods for organizing, displaying and describing data



☒ none of the above

☐ How to describe the probability distribution

☐ The description of the decision-making process.

▶ Saving...

Question # 10 of 10 (Start time: 07:14:37 PM, 28 January 2023)

Graphical and numerical methods are specialized process utilized in

Select the correct option

- | | |
|----------------------------------|------------------------|
| ☐ | Social Statistics |
| ☐ | Education Statistics |
| ☒ | Descriptive Statistics |
| ☐ | Business Statistics |

Question # 4 of 10 (Start time: 10:52:44 PM, 28 January 2023)

Total Marks: 1

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 Math Equations

$g(x) = y$



$f(x) = y$



$f(x) + g(x)$



$f(x) = g(x)$



Click to Show Answer & Move to Next Question

Question # 2 of 10 (start time: 02:31:55 PM, 28 January 2023)

Total Marks: 1

The equation of a horizontal line passing through the point $(0,0)$ is

Select the correct option

☐

$x = 0$

☐

none of the above

☒

$y = 0$

☐

$x-1 = 0$

[Click to Save Answer & Move to Next Question](#)

Question # 9 of 10 (Start time: 02:35:57 PM, 28 January 2023)

Total Marks: 1

The first term in the expansion of $\left(\frac{x}{3} + \frac{1}{x}\right)^5$ is :

Select the correct option

 Reload Math Equations

☐	none of the above
☒	$\frac{1}{5} \left(\frac{x}{4}\right)$
☐	$10x^5$
☐	$\left(\frac{x}{3}\right)^5$

 Click to Save Answer & Move to Next Question

Question # 1 of 10 (Start time: 10:47:41 PM, 28 January 2023)

Total Marks: 10

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

Select the correct option

 Reload Math Equations

☐	$2 \sin A \cos A$
☐	$2 \cos^2 A - 1$
☒	$\cos^2 A + \sin^2 A$
☐	$1 - \cos^2 A$

Click to Show Answer & Move to Next Question

Question # 3 of 10 (Start time: 07:41:39 PM, 28 January 2023)

For applying the binomial theorem, $(1.09)^{11}$ can be written as

Select the correct option

☒	 $(1 + 0.09)^{11}$
☐	none of the above
☐	$(1 - 0.06)^{11}$
☐	$(1 + 0.009)^{11}$

Question # 9 of 10 (Start time: 07:41:49 PM, 28 January 2023)

The equation of a vertical line passing through the point (1,2) is

Select the correct option

☐ $x = 2$

☐ $y = 2$

☒ $x = 1$

☐ $y = 1$

Question # 8 of 10 (Start time: 07:42:03 PM, 28 January 2023)

Find the midpoint of the line segment joining the points P(1, 3) and Q(6, 8).

Select the correct option

☐	(7, 11)	
☐		$\left(\frac{11}{2}, \frac{7}{2}\right)$
☐	(-5, -5)	
☐		 $\left(\frac{7}{2}, \frac{11}{2}\right)$

Question # 10 of 10 (Start time: 07:42:29 PM, 28 January 2023)

If a variable cannot take a numerical value then the variable is called

Select the correct option

☐

constant variable

☐

discrete variable

☒

qualitative variable

☐

continuous variable

Question # 9 of 10 (Start time: 07:43:55 PM, 28 January 2023)

Write the standard form of the equation of the circle with radius 11 and centre (0, 6).

Select the correct option



$$x^2 + (y + 6)^2 = 11$$




$$x^2 + (y - 6)^2 = 121$$



$$(x + 6)^2 + y^2 = 121$$



$$(x - 6)^2 + y^2 = 121$$

Question # 5 of 10 (Start time: 07:42:58 PM, 28 January 2023)

A quantitative variable which can take any value in a given range is called

Select the correct option

☐	discrete variable
☐	none of these
☒	continuous variable
☐	simple variable



Pieces of numerical and non-numerical information are called data

Select the correct option

☐	False
☐	True



Question # 4 of 10 (Start time: 07:42:13 PM, 28 January 2023)

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
☐	range
☒	amplitude
☐	period

Question # 7 of 10 (Start time: 07:45:10 PM, 28 January 2023)

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

Select the correct option

☐	$\frac{2 \tan A}{1 - \tan^2 A}$
☐	$\tan A + \tan B$
☐	$\frac{\tan A - \tan B}{1 + \tan A \tan B}$
☒	$\frac{\tan A + \tan B}{1 - \tan A \tan B}$

Mathematics (Quiz #3)

Question # 9 of 10 (Start time: 08:05:49 PM, 28 January 2023)

Find the center (h, k) and radius r of the circle with the given equation.

$$\sqrt{[x^2] - 16x + 64 + \{(y + 3)^2\}} = 49$$

Select the correct option

☒ $(h, k) = (8, -3); r = 7$

☐ $(h, k) = (-3, 8); r = 7$

☐ $(h, k) = (-8, 3); r = 49$

☐ $(h, k) = (3, -8); r = 49$

Question # 10 of 10 (Start time: 07:46:47 PM, 28 January 2023)

The first term in the expansion of $\left(\frac{x}{3} + \frac{1}{x}\right)^5$ is :

Select the correct option

☐		$\left(\frac{x}{3}\right)^5$
☒	none	
☐		$10x^5$
☐		$\frac{1}{5}\left(\frac{x}{4}\right)$

Question # 1 of 10 (Start time: 07:57:59 PM, 28 January 2023)

The centre of a circle lies in _____ of the circle.

Select the correct option

- | | |
|----------------------------------|---------------|
| ☐ | none of these |
| ☐ | exterior |
| ☐ | boundary |
| ☒ | interior |

Question # 8 of 10 (Start time: 07:45:42 PM, 28 January 2023)

The equation $x^2 + y^2 - 2x + 4y + 5 = 0$ represents

Select the correct option

☐	A pair of straight lines
☐	A point
☒	A circle
☐	None of these

Question # 6 of 10 (Start time: 07:44:01 PM, 28 January 2023)

$$\sin 2A = \underline{\hspace{1cm}} .$$

Select the correct option

☒		$2 \sin A \cos A$
☐		$1 - 2\sin^2 A$
☐		$\cos^2 A + \sin^2 A$
☐		$\cos^2 A - \sin^2 A$

Question # 9 of 10 (Start time: 07:46:13 PM, 28 January 2023)

$$\cos 2A = \underline{\hspace{1cm}} .$$

Select the correct option

☐	$2 \sin A \cos A$
☒	$2 \cos^2 A - 1$
☐	$\cos^2 A + \sin^2 A$
☐	$1 - \cos^2 A$

Question # 3 of 10 (Start time: 08:11:28 PM, 28 January 2023)

For applying the binomial theorem, $(1.09)^{11}$ can be written as

Select the correct option

☐	none of the above
☒	$(1 + 0.09)^{11}$
☐	$(1 - 0.06)^{11}$
☐	$(1 + 0.009)^{11}$

Click to Save Answer

BC220402832: MUHAMMAD ABU BAKAR

MTH100 - General Mathematics (Quiz #3)

Question # 7 of 10 (Start time: 08:03:20 PM, 28 January 2023)

The mean of a distribution is 23, the median is 24, and the mode is 25.5. It is most likely that this distribution:

Select the correct option

- | | |
|----------------------------------|-------------------|
| ☒ | Positively Skewed |
| ☐ | Asymptotic |
| ☐ | Symmetrical |
| ☐ | Negatively Skewed |

Question # 1 of 10 (Start time: 08:09:10 PM, 28 January 2023)

The algebraic sum of deviations from mean is:

Select the correct option

☐	Minimum
☒	zero
☐	Undefined
☐	Maximum

Question # 3 of 10 (Start time: 08:00:04 PM, 28 J

Which one is not the measure of dispersion.

Select the correct option

- | | |
|----------------------------------|----------------------|
| ☒ | The range |
| ☐ | Variance |
| ☐ | Inter-Quartile range |
| ☒ | 50th Percentile |

January 2023)

For applying the binomial theorem, $(1.09)^{11}$ can be written as



$$(1 + 0.09)^{11}$$



$$(1 + 0.009)^{11}$$

$$(1 - 0.06)^{11}$$

Question # 10 of 10 (Start time: 09:39:14 PM, 28 January 2023)

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

☐ $f(x) + g(x)$

☒ $f(x) = g(x)$

☐ $f(x) = y$

☐ $g(x) = y$

Question # 8 of 10 (**Start time: 08:17:30 PM, 28 January 2023**)

In statistics, a population consists of:

Select the correct option

- | | |
|-----------------------|---|
| ☐ | All people living in the area under study |
| ☐ | none of the above |
| ☐ | All people living in a country |
| ☐ | All subjects or objects whose characteristics are being studied |



Click

Question # 5 of 10 (Start time: 08:13:10 PM, 28 January 2023)

The number of accidents in a city during 2020 is

Select the correct option

☒	Continuous variable
☐	Discrete variable
☐	Qualitative variable
☐	constant

Click to Save Answer

Which one is not the measure of dispersion.

Select the correct option

☐	The range
☐	Variance
☐	Inter-Quartile range
☐	50th Percentile

Power reducing formula for $\cos^2 A$ is _____

Select the correct option

☐	$1 - \cos^2 A$
☒	$\frac{\cos 2A + 1}{2}$
☐	$\frac{1 - \cos 2A}{2}$
☐	$\frac{2 \tan A}{1 + \tan^2 A}$

Question # 10 of 10 (Start time: 08:19:10 PM, 28 January 2023)

Write the standard form of the equation of the circle with radius 6 and centre $(-3, 0)$.

Select the correct option

☐	$x^2 + (y + 3)^2 = 6$
☒	$(x + 3)^2 + y^2 = 36$
☐	$(x - 3)^2 + y^2 = 36$
☐	$x^2 + (y - 3)^2 = 6$

Click t

Question # 7 of 10 (Start time: 08:16:00 PM, 28 January 2023)

Which branch of statistics deals with the techniques that are used to organize, summarize, and present the data:

Select the correct option

☐	Probability statistics
☒	Descriptive statistics
☐	Advanced statistics
☐	Bayesian statistics

Click to Save Answer

Question # 4 of 10 (Start time: 08:12:22 PM, 26 January 2023)

Pieces of numerical and non-numerical information are called data

Select the correct option

True



False



Click to Save

Question # 2 of 10 (Start time: 08:10:06 PM, 28 January 2023)

The equation of a horizontal line passing through the point $(0,0)$ is

Select the correct option

☐

$x - 1 = 0$

☐

$x = 0$

☐

none of the above

☐

$y = 0$



Click to Save A

In statistics, a population consists of:

Select the correct option

☒	All subjects or objects whose characteristics are being
☐	none of the above
☐	All people living in the area under study
☐	All people living in a country

Question # 9 of 10 (Start time: 08:18:24 PM, 28 January 2023)

In inferential statistics, we study

Select the correct option

☐	How to make decisions about mean, median, or mode
☐	How a sample is obtained from a population
☐	The methods to make decisions about the population based on sample results
☐	none of the above



The equation of a vertical line passing through the point (1,2) is

Select the correct option

☐ $y = 2$

☒ $x = 1$

☐ $y = 1$

☐ $x = 2$

Question # 3 of 10 (Start time: 09:31:52 PM, 28 January 2023)

Power reducing formula for $\cos^2 A$ is -----.

Select the correct option

☒	$\frac{\cos 2A + 1}{2}$
☐	$\frac{1 - \cos 2A}{2}$
☐	$1 - \cos^2 A$
☐	$\frac{2 \tan A}{1 + \tan^2 A}$

The algebraic sum of deviations from mean is:

Select the correct option

☐	Maximum
☐	Minimum
☐	Undefined
☐	zero ✓

Question # 6 of 10 (Start time: 09:34:32 PM, 28 January 2023)

The difference formula for $\sin(A - B)$ is -----

Select the correct option

☒	$\sin A \cos B - \cos A \sin B$
☐	$\cos A \cos B - \sin A \sin B$
☐	$\cos A \cos B + \sin A \sin B$
☐	$\sin A \cos B + \cos A \sin B$

Question # 2 of 10 (Start time: 09:31:20 PM, 28 January 2023)

Pieces of numerical and non-numerical information are called data

Select the correct option

True



False



Question # 5 of 10 (Start time: 09:33:34 PM, 28 January 2023)

The equation $x^2 + y^2 - 2x + 4y + 5 = 0$ represents

Select the correct option

- ☐ A point
- ☒ A circle
- ☐ A pair of straight lines
- ☐ None of these

Question # 1 of 10 (Start time: 09:27:28 PM, 28 January 2023)

Total Marks: 1

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

Select the correct option

 Reload Math Equations

☒	 $\cos A \cos B - \sin A \sin B$
☐	$\sin A \cos B + \cos A \sin B$
☐	$\cos A \cos B + \sin A \sin B$
☐	$\sin A \cos B - \cos A \sin B$

Click to Save Answer & Move to Next Question

Question # 7 of 10 (Start time: 09:35:57 PM, 28 January 2023)

The equation of a vertical line passing through the point (1,2) is

Select the correct option

☐ $y = 2$

☐ $y = 1$

☒ $x = 1$

☐ $x = 2$

Question # 8 of 10 (Start time: 09:37:39 PM, 28 January 2023)

Which one is not the measure of dispersion.

Select the correct option

☐	50th Percentile	✓
☐	Inter-Quartile range	✗
☐	Variance	
☐	The range	

Question # 4 of 10 (Start time: 06:33:01 PM, 26 January 2023)

Total Marks: 1

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

select the correct option

 Refresh Math Equations

☐	$\sin A \cos B - \cos A \sin B$
☐	$\cos A \cos B + \sin A \sin B$
☐	$\sin A \cos B + \cos A \sin B$
☒	$\cos A \cos B - \sin A \sin B$

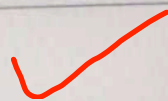


Click to Save Answer & Move to Next Question

Question # 1 of 10 (Start time: 09:30:20 PM, 28 January 2023)

For applying the binomial theorem, $(1.09)^{11}$ can be written as

Select the correct option

☐
☐
☐
☐

$$(1 + 0.09)^{11}$$

$$(1 + 0.009)^{11}$$

none of the above

$$(1 - 0.06)^{11}$$

Question # 9 of 10 (Start time: 09:38:35 PM, 28 January 2023)

Pieces of numerical and non-numerical information are called data

Select the correct option

☒	True
☐	False

