Started on	Saturday, 6 January 2024, 3:28 PM
State	Finished
Completed on	Saturday, 6 January 2024, 3:28 PM
Time taken	34 secs
Marks	0.00/15.00
Grade	**0.00** out of 20.00 (**0**%)

Question 1

Not answered

Marked out of 1.00

How many points of intersections for both functions below?

$f(x)=-e^x$

$g(x)=x$

Select one:

- a. 0
- b. 1
- c. 3
- d. 2

Your answer is incorrect.

The correct answer is: 0

Question 2

Not answered

Marked out of 1.00

A triangle ABC is right at Angle A. If sin c=0.5. Then the measure of angle B=

Select one:

- a. 15
- b. 30
- c. 45
- d. 60

Your answer is incorrect.

The correct answer is: 15

Question 3

Not answered

Marked out of 1.00

What is the equation of the line perpindecular to x=3?

Select one:

- a. $y=-\frac{1}{3}x$

- b. y=0

- c. x=5

- d. x=-3

Your answer is incorrect.

The correct answer is: $y=-\frac{1}{3}x$

Question 4

Not answered

Marked out of 1.00

Which of the following equation represents the line falls when x increases?

Select one:

- a. 2x-3y=5

- b. y=2x+4

- c. -2x-3y=7

- d. y=0.4x-3

Your answer is incorrect.

The correct answer is: 2x-3y=5

Question 5

Not answered

Marked out of 1.00

What is the value of $\sqrt{20}$?

Select one:

- a. 0.04

- b. 4

- c. 4.47

- d. 6.5

Your answer is incorrect.

The correct answer is: 0.04

Question 6

Not answered

Marked out of 1.00

If the area of equilateral triangle is equal to the area of square and one side of the triangle is twice the side of the square whose side length is S . What is the height of the triangle?

Select one:

○ a.   h=2S

○ b.   h=$\sqrt{3}$ S

○ c.   h=0.5S

○ d.   h=S

Your answer is incorrect.

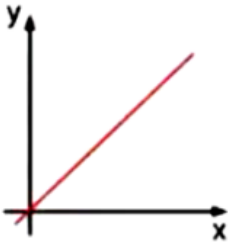The correct answer is: h=2S

Question 7

Not answered

Marked out of 1.00

Which graph represents the profit of a company as a steady increasing?
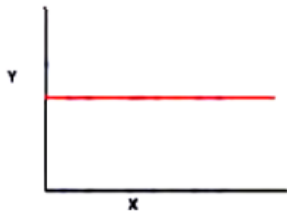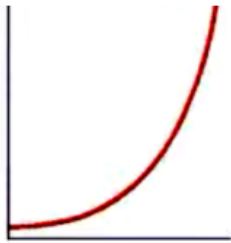
Select one:

a.

b.

c.

d.

Your answer is incorrect.

The correct answer is:

Question 8

Not answered

Marked out of 1.00

What is/are the value of x satisfying the eqauation below?

$\sqrt{x+2} = x$

I. 0

II. 2

III. -1

a.   1 only

b.   II only

c.   II and III only

d.   I, II, and III

Select one:

○ A

○ B

○ C

○ D

Your answer is incorrect.

The correct answer is: A

Question 9

Not answered

Marked out of 1.00

9,35,2,18,7,x is added up to 76 , find IQR

Select one:

○ a.   11

○ b.   13

○ c.   33

○ d.   21

Your answer is incorrect.

The correct answer is: 11

Question 10

Not answered

Marked out of 1.00

Which of the following is true about the system of
inequalities below?

$4x - 3 < 2x + 7$

$3x - 5 \geq x + 1$

a. $[3,5)$

b. $(3,5]$

c. $(3,5)$

d. $[3,5]$

Select one:

○ A

○ B

○ C

○ D

Your answer is incorrect.

The correct answer is: A

Question 11

Not answered

Marked out of 1.00

Which of the following is not parallel to 6x+2y=6 ?

Select one:

○ a. y=-3x+7

○ b. 2y=-6x+7

○ c. $-\frac{y}{3}$=2+x

○ d. y=6x+2

Your answer is incorrect.

The correct answer is: y=-3x+7

Question 12

Not answered

Marked out of 1.00

Which of the following is the sum of roots and thier product of the equation below?

$y = x^2 - 7x + 4$

Select one:

○ a.   7

○ b.   4

○ c.   3

○ d.   11

Your answer is incorrect.

The correct answer is: 7

Question 13

Not answered

Marked out of 1.00

How many solutions for the system of equation below?

2x-3y=9

12y-8x=7

Select one:

○ a.   no solution

○ b.   one solution

○ c.   two solutions

○ d.   many solutions

Your answer is incorrect.

The correct answer is: no solution

Question 14

Not answered

Marked out of 1.00

The graph $y = -2(x+3)^2 - 4$ increases on ....

a. $[3, \infty)$

b. $]-\infty, \infty[$

c. $(-\infty, -3]$

d. $[-4, \infty[$

Select one:

○ A

○ B

○ C

○ D

Your answer is incorrect.

The correct answer is: A

Question 15

Not answered

Marked out of 1.00

A factory making refrigerators, paying monthly 300 pounds for electricity, the cost to make one ref is 150 pounds. Which equation represents the monthly cost?

Select one:

○ a. y=150x+300

○ b. y=300x+150

○ c. y=300x

○ d. y=150x

Your answer is incorrect.

The correct answer is: y=150x+300