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**Completed** Friday, 15 May 2026, 9:46 PM

**Duration** 21 secs

**Marks** 0.00/22.00

**Grade** 0.00 out of 10.00 (0%)

### Question 1

Not answered

Marked out of 1.00

v5 (latest)

Consider the function:

$$f(x) = -5x^4 + 3x^3$$

Which of the following statements are true?

- I. As  $x$  approaches  $-\infty$ ,  $f(x)$  approaches  $\infty$ .
- II. As  $x$  approaches  $-\infty$ ,  $f(x)$  approaches  $-\infty$ .
- III.  $f(x)$  passes through the origin.

Select one:

- a. I only
- b. I and II
- c. I II and III
- d. I and III

The correct answer is: I and III

**Question 2**

Not answered

Marked out of 1.00

v3 (latest)

A square with a perimeter of 200 cm was cut  $x$  from each vertex and folded to make a box with an open top with volume  $5808 \text{ cm}^3$ .  
What is the surface area of the box?

Select one:

- a. 2464
- b. 2776
- c. 2580
- d. 2340

The correct answer is: 2464

**Question 3**

Not answered

Marked out of 1.00

v2 (latest)

with passing grade 10

scores	[0-10)	[10-14)	[14-17)	[17-20]
number of students	7	13	11	5

Which statement is correct:

Select one:

- a. Majority pass the exam
- b. Majority fails
- c. The number of students decreases when scores increase.
- d. The number of students increases when scores increase.

The correct answer is: The number of students decreases when scores increase.

**Question 4**

Not answered

Marked out of 1.00

v3 (latest)

with passing grade 10

scores	$[0-10)$	$[10-14)$	$[14-17)$	$[17-20]$
Number of students	7	13	11	5

If the Teacher will bring each student who got more than 14 a 3\$ chocolate; How much she will pay?

Select one:

- a. 10
- b. 15
- c. 20
- d. 25

The correct answer is: 15

**Question 5**

Not answered

Marked out of 1.00

v2 (latest)

with passing grade 10

scores	$[0-10)$	$[10-14)$	$[14-17)$	$[17-20]$
Number of students	7	13	11	5

What is the mean score? (Note: how to calculate the mean by calculating the middle of each interval).

Select one:

- a.
- b.
- c.
- d.

The correct answer is:

**Question 6**

Not answered

Marked out of 1.00

v2 (latest)

Jamal bought something with a 15% discount. After a while, he sold it at a 50% loss for \$678.5. What is the original price of that thing?

Select one:

- a. 1596.47
- b. 1600.00
- c. 1357.00
- d. 1800.00

The correct answer is: 1596.47

**Question 7**

Not answered

Marked out of 1.00

v4 (latest)

Data set of 13 numbers: 3, 5, 5, 19, 19, 19, 20, 23, 24, 25, 26, 23, 30

The mean =  $m$ , Mode =  $n$ , and Range =  $a$ .

What is  $26mn - 13a$ ?

Select one:

- a. 9341
- b. 8807
- c. 7214
- d. 9000

The correct answer is: 9341

**Question 8**

Not answered

Marked out of 1.00

v2 (latest)

If Susan works as a teacher for part-time ( $x$  hours) and takes 35\$ per hour, and her other sales job pays 300\$ base plus 4.5\$ per item sold. She sells 2 items per day for July and worked as a teacher for  $x$  hours.

What is  $x$  that makes her have 2740\$ by the end of July?

Select one:

- a. 62
- b. 60
- c. 65
- d. 58

The correct answer is: 62

**Question 9**

Not answered

Marked out of 1.00

v2 (latest)

How many items she needs to sell if she wants to make 6020\$ and works with 5 students each 2 hours weekly?

Select one:

- a. 300
- b. 400
- c. 500
- d. 960

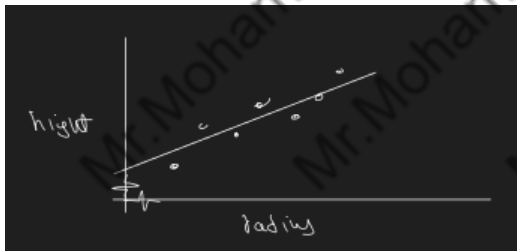
The correct answer is: 960

**Question 10**

Not answered

Marked out of 1.00

v2 (latest)



That's a graph of radius and height of many cylinders.

What is the best fit line equation?

Select one:

- a.
- b.
- c.
- d.

The correct answer is:

**Question 11**

Not answered

Marked out of 1.00

v2 (latest)

Two adjacent angles with sum equal to 66 , the second angle is double the first angle.

If the first angle =  $x + 3$ , what is  $x$ ?

Select one:

- a. 15
- b. 19
- c. 13
- d. 14

The correct answer is: 19

**Question 12**

Not answered

Marked out of 1.00

v3 (latest)

Two natural even numbers  $x$  and  $y$ . Which of the following is odd and less than  $x$ ?

Select one:

- a.  $\frac{x+y}{2}$
- b.  $4x - y$
- c.  $2x - y$
- d.  $x + y$

The correct answer is:  $\frac{x+y}{2}$

**Question 13**

Not answered

Marked out of 1.00

v2 (latest)

45 km per hour is the same as how many meters per minute?

Select one:

- a. 450
- b. 750
- c. 1250
- d. 2700

The correct answer is: 750

**Question 14**

Not answered

Marked out of 1.00

v2 (latest)

Khaled's calorie intake is 1600 cal. He made breakfast with 300 cal, then went to the gym and burned 350 cal, then had lunch with 1250 cal. What is the available calories for him to take at dinner?

Select one:

- a. 400
- b. 500
- c. 350
- d. 200

The correct answer is: 400

**Question 15**

Not answered

Marked out of 1.00

v3 (latest)

A bag contains 11 marbles: 3 red, 4 blue, and the remaining marbles are yellow. Two marbles are drawn at random without replacement. Given that at least one of the two marbles is yellow, what is the probability that both marbles are yellow?

Select one:

- a.  $\frac{3}{17}$
- b.  $\frac{6}{55}$
- c.  $\frac{12}{55}$
- d.  $\frac{4}{11}$

The correct answer is:  $\frac{3}{17}$

**Question 16**

Not answered

Marked out of 1.00

v2 (latest)

2000 students in a school took a sample of 100 people. In the sample, there are 2 seniors, 8 K.G., and the rest are in Grade 11.

If 2 K.G. students from the sample are moving to another school, what is the expected number of K.G. students who will move from the whole school?

Select one:

- a. 20
- b. 40
- c. 160
- d. 200

The correct answer is: 40

**Question 17**

Not answered

Marked out of 1.00

v2 (latest)

378 is 18% of what?

Select one:

- a. 2100
- b. 2000
- c. 1800
- d. 2250

The correct answer is: 2100

**Question 18**

Not answered

Marked out of 1.00

v2 (latest)

The ratio between the sides of a triangle is 3 : 4 : 6 and the perimeter is 65.

What is the longest side?

Select one:

- a. 30
- b. 15
- c. 20
- d. 25

The correct answer is: 30

**Question 19**

Not answered

Marked out of 1.00

v2 (latest)

In 1st trimester Ali took 3 chemistry exams and got an average of 88. In the 2nd trimester he took 2 exams with scores of 100 and 88. In the last trimester he will take one exam.

What is the least score he should get on the last exam to get an overall average equal to or greater than 90?

Select one:

- a. 98
- b. 88
- c. 90
- d. 92

The correct answer is: 88

**Question 20**

Not answered

Marked out of 1.00

v3 (latest)

Find the Radicand if  $a = 2$ ,  $b = -1$ 

$$\sqrt[3]{8a^3b^6} \cdot \sqrt[3]{a^2b^2}$$

Select one:

- a. 16
- b. 20
- c. 256
- d. 2

The correct answer is: 256

**Question 21**

Not answered

Marked out of 1.00

v1 (latest)

y varies inversly with  $x^2$   $y = 4$  and  $x = 9$  if  $x = 6$  then  $y = ?$ 

- a. a
- b. b
- c. d

Your answer is incorrect.

The correct answer is: d

**Question 22**

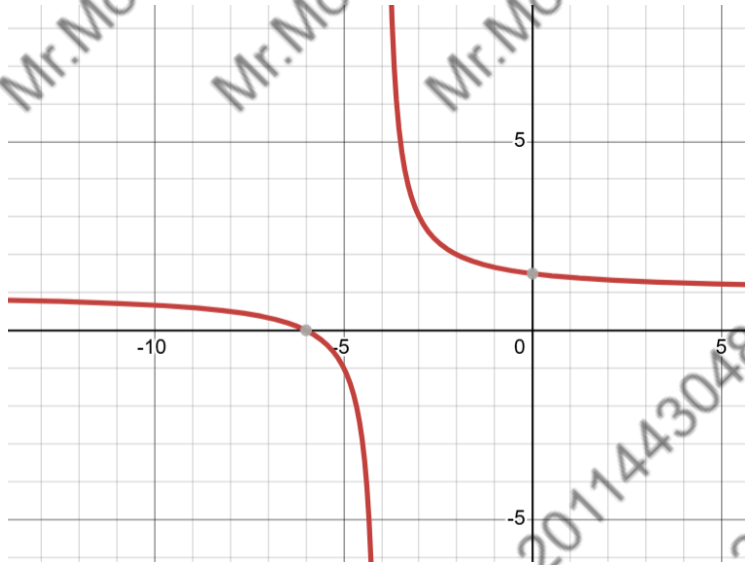
Not answered

Marked out of 1.00

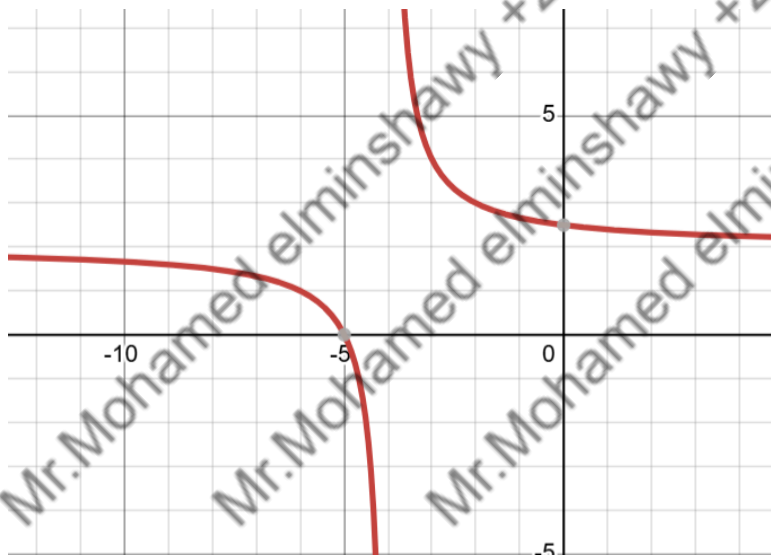
v1 (latest)

what is the graph of  $F(x) = \frac{2}{x+4} + 1$ ?

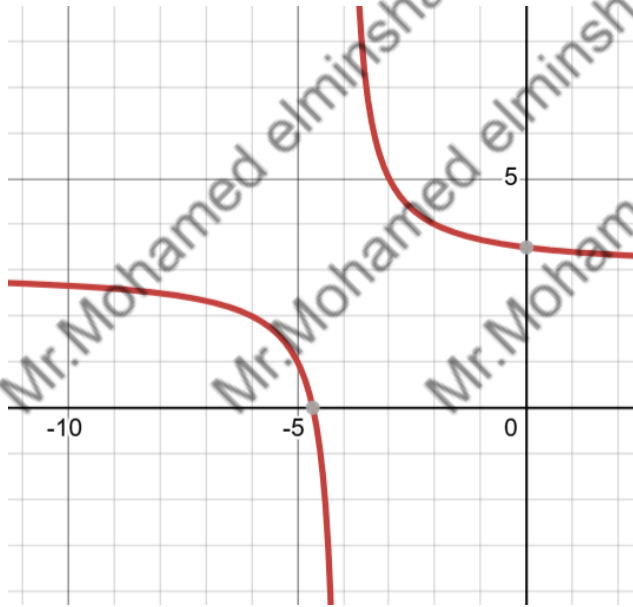
a.



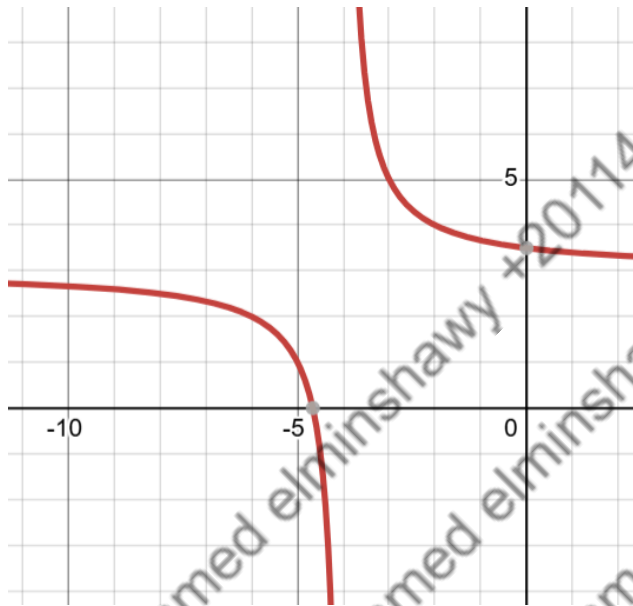
b.



c.

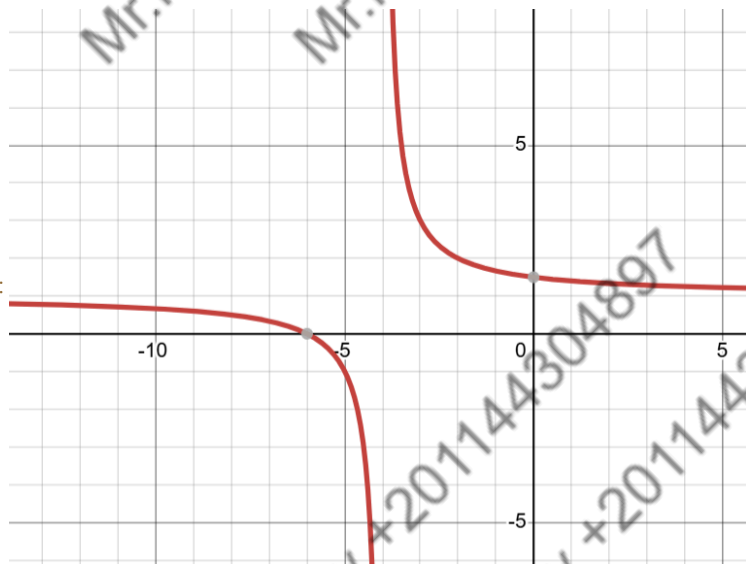


d.



Your answer is incorrect.

The correct answer is:



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