

2-
$$Y = \frac{2}{x+4} + 1$$

, Horizont 001144304891

3-
$$\frac{2x}{x^2+3x+2} + \frac{1}{x+1} + \frac{3x-2}{x+2}$$

Simplify the expression above

In a television contest, a person is asked a question if ne answers correctly. He/she can pick a gift from 24 gift from 3 respectively in which only content answered he/she answers correctly. He/she can pick a gift from 24 gifts numbered from 3 respectively in which only one of the contains a car.

If Ahmed answered correctly, What is the probability of him winning a car?

ce? 5- There are 6 triangle plain chocolate, 2 rectangular looped chocolate, and 7 dark chocolates.

What is the chance of getting looped chocolate?

6- In a box, there are 12 red balls, 10 blue balls. Find the probability of picking two red balls with no

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d	Date		Mr. Mr.	My.
,	January		1400\$	>
	1, February	a% investement	pills "ills "ills	
		ratio	b. b. b.	
	3, February	Withdraw 3\$	1413.8\$	
	1, March	a% investement	C	
		ratio	, 20,	
	3, March	Withdraw 3\$	D	

Jack invested 1400 in a bank and gets a% each month.

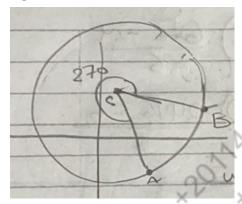
- Find: [a,b,c,d] 1-
- He withdrew 700\$, How much is left in the bank account? 2-
- ONAA30A89T (FB: Ninshamynath) 8- Which of the following equations has a sum of roots equal to -8 and product of roots equal to 15.
- (A) $x^2+15x+8$

- (C) $x^2+8x-15$ (D) $x^2+8x-15$

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point C cor 9- In a pentagon the ratio between its angles is 2:3:3:5:7, find the measure of the angle with the smallest ratio? a Hind Mohamed E

10-



In the circle shown above, point C coordinates are (1,2) and point B coordinates are (6,1).

Find the area of the minor sector AB?

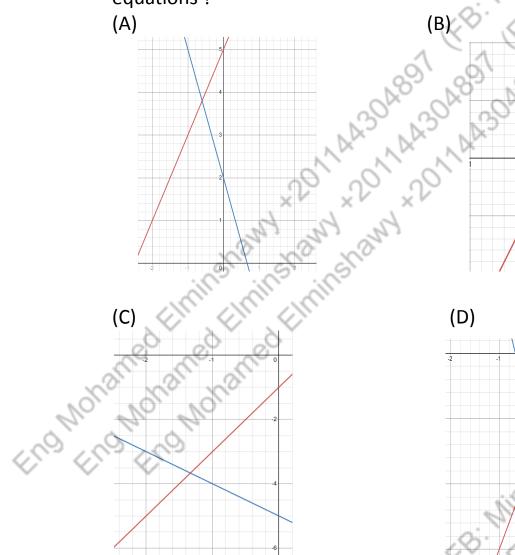
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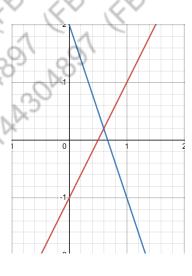
Find the area of the minor se

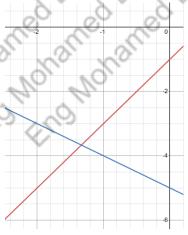
11- Sin(
$$\theta$$
)= $\frac{1}{3}$, Find Cos(θ)?

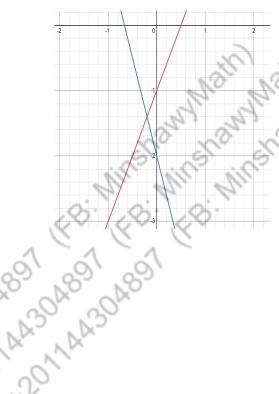
13- f(x)= 2x+5, g(x)= -3x+2. Find the correct graph for these equations?

(A) (B)



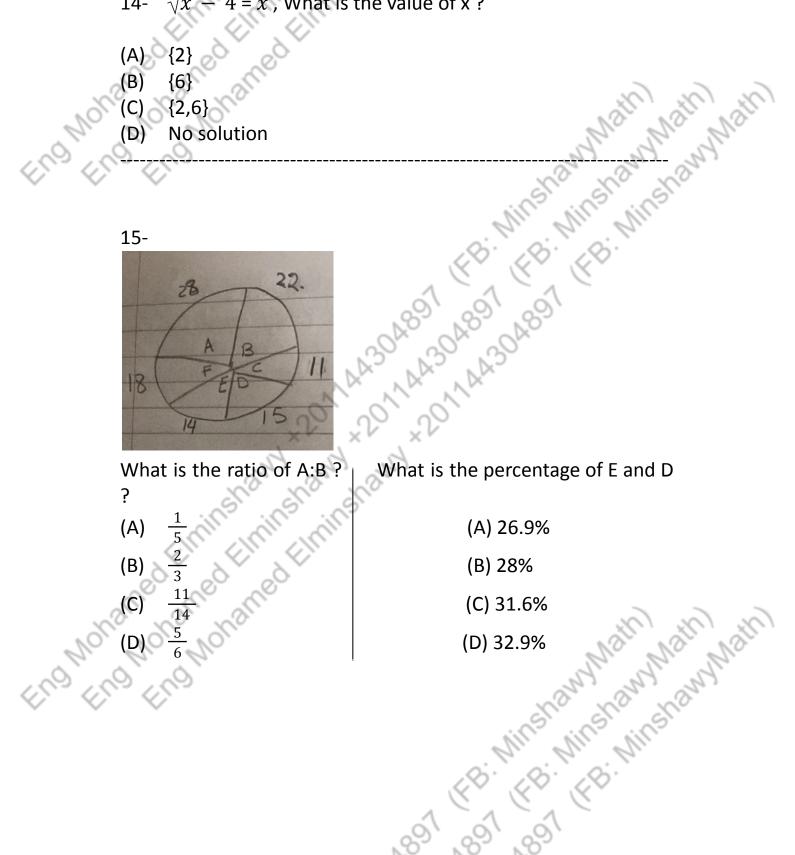






- 14- $\sqrt{x-4} = x$, What is the value of x?

 (A) {2}
 (B) {61



- MAA30A891 (FB: MinshamyMath) (FB: MinshamyMath)

17-
$$3x^2+x=3a$$

Mr. Mohama $3x^2 + x = 3a$ 6x + z = 2In the system of equations shown above find a in terms of z ? In this equation, Find the value of x? $19- S = \frac{F_t}{M} + \frac{F}{B}$ Find F in terms of S,M,B, and F_t

18-
$$25^{3x} = 125^{3x-4}$$

$$19- S = \frac{F_t}{M} + \frac{F}{B}$$

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In the following system of equations, find the value of y?

21- In country x only 21 year-old students or older are allowed to vote.

For each 2 students more than or equal to 21 years old, there are 5 students less then 21 years old.

Total number of students is 952.

Find the number of students who are allowed to vote?

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22- x varies inversely as y, when x=2 y=9.

Find y when 3x=7?

23-

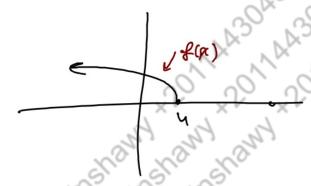
$$5x+2y=10$$

$$3x-y=5$$

In the system of equations shown above, What is the 1st step to eliminate y ?

- Multiply the 1st equation by 3
- (B) Multiply the 2nd equation by 2
- (C) Multiply the 2nd equation by -2
- (D) Multiply the 1st equation by $\frac{-1}{2}$

24-



$$g(x) = f(x-4)$$

What is the value of x to make f(x)=0

(A)

(C) 0

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25- Hussein bought 4 mugs and 5 spoons for 675\$, and Ahmed bought 5 Mugs and 6 spoons for 750\$.

What is the cost for 3 Mugs and 1 spoon ?