



Not yet answered

Marked out of 9.00

P Flag question

If |A| = 128 then find the cofactor matrix of A.

$$A = \begin{bmatrix} x & 5 & 7 \\ 2 & 4 & 1 \\ -2 & 8 & 3 \end{bmatrix} \begin{bmatrix} x & 5 \\ 2 & 4 \\ 2 & 8 \end{bmatrix} C = \begin{bmatrix} 4 & -8 & 24 \\ 41 & 14 & -10 \\ 23 & 14 & -10 \end{bmatrix}$$

$$|A| = x4.3 + 5.1.(-2) + 7.2.8 - (7.4.(-2) + x.1.8 + 5.2.3)$$

$$x=0$$

C₂₁ Choose...



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Not yet answered

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P Rug question

Assume A is a symmetric Matrix.

$$A = \begin{bmatrix} -1 & 0 & 2 & 1 \\ a & 1 & 3 & d \\ b & e & 0 & 3 \\ c & -2 & 3 & 2 \end{bmatrix}$$

$$a=0$$

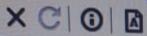
■ Quiz navig

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question

If |A| = 128 then find the cofactor matrix of A.

$$A = \begin{bmatrix} x & 5 & 7 \\ 2 & 4 & 1 \\ -2 & 8 & 3 \end{bmatrix}$$

C₁₁ Choose... •

C₁₂ Choose... •

C₁₃ Choose...

C₂₁ Choose... •

C22 choose .

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Following adjacency matrix represents an undirected gra

Find the following.

Number of loops

Number of edges 10

11-

Number of vertices 4 Number of row or collum

Total degree Choose... •

22

2 * edges Total element + loop



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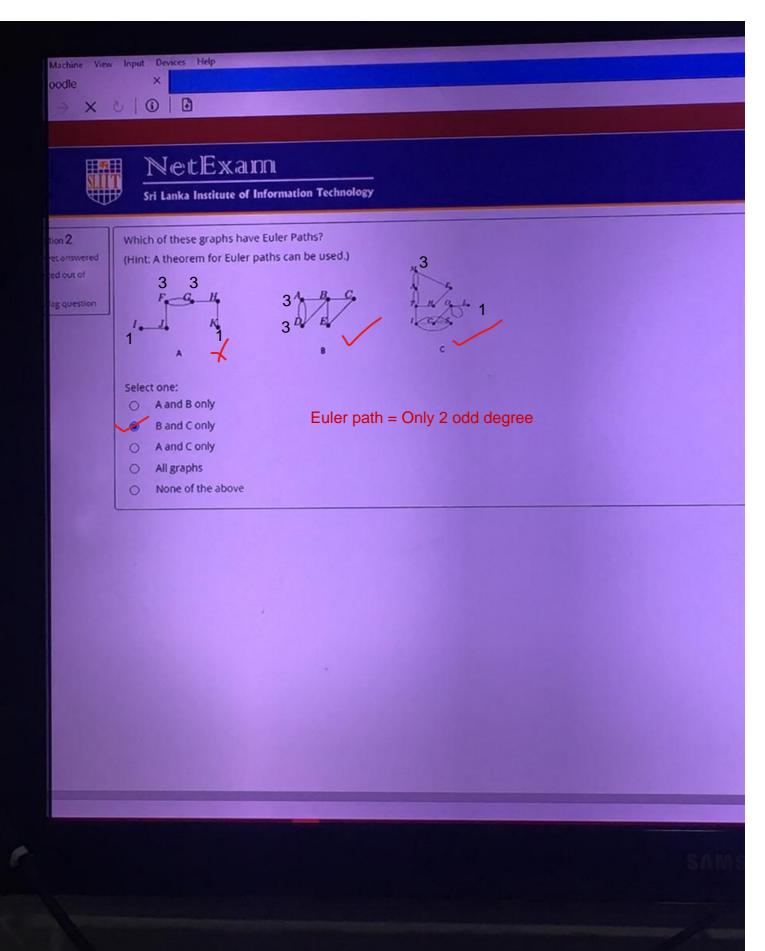
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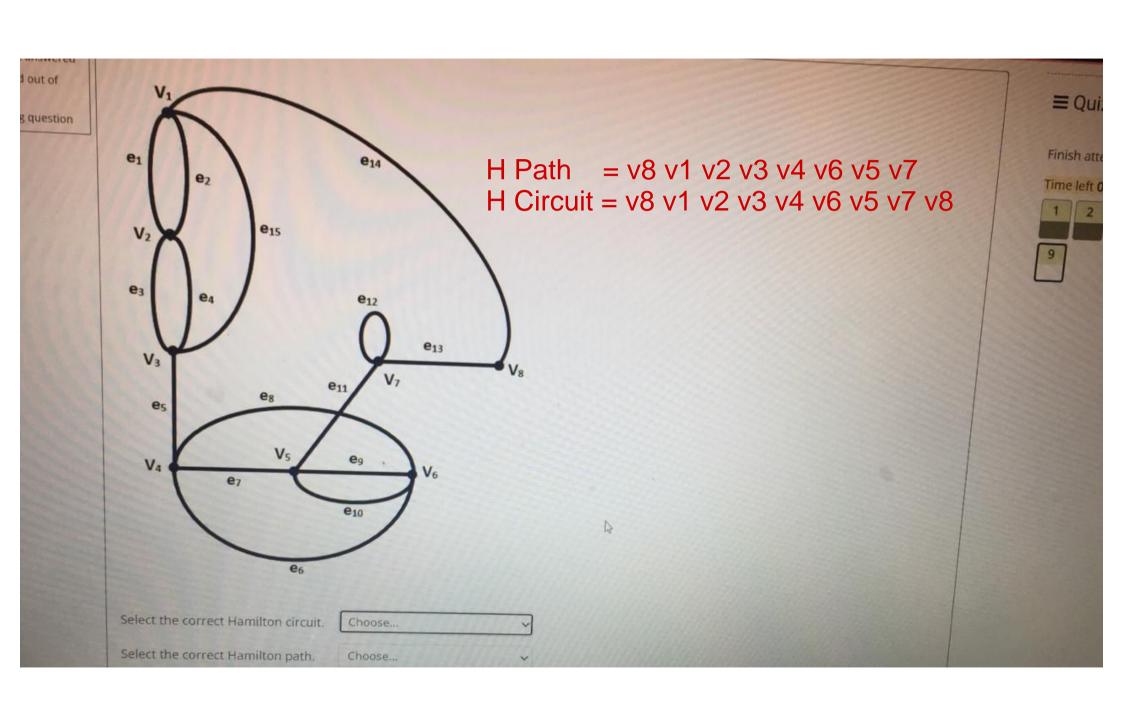
Solve the equation A = B when,

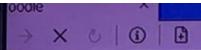
$$A = \begin{bmatrix} x & 1 & 2 \\ 0 & x^2 - y & 3 \end{bmatrix} \text{ and } B = \begin{bmatrix} 1 & 1 & 2 \\ 0 & 2 & 3 \end{bmatrix}.$$

Select one:

x=1 x^2-y=2 y=-1



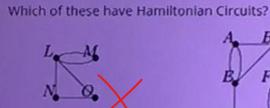


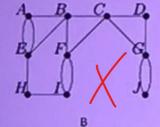


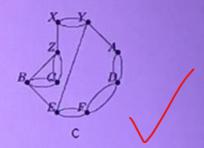


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ag question







Select one:

Hamiltonian = vertices can not repeated

O A and B only

C only

A and C only

O None of the above

Question 01 (20 marks)

(i) Find an equation of the tangent line to the curve $y = x^2 + 2x$ at the point (2,12).

$$y = x^3 + 2x$$

x=2, y=12, m?, c?

12 = m*2^3+2*2 m = 1

y= m*x+c 12=1*2 + c c= 10//

y = x + 10

(ii) Find the length of the subtending arc when $\theta = 60^{\circ}$ and r = 5.

(4 marks

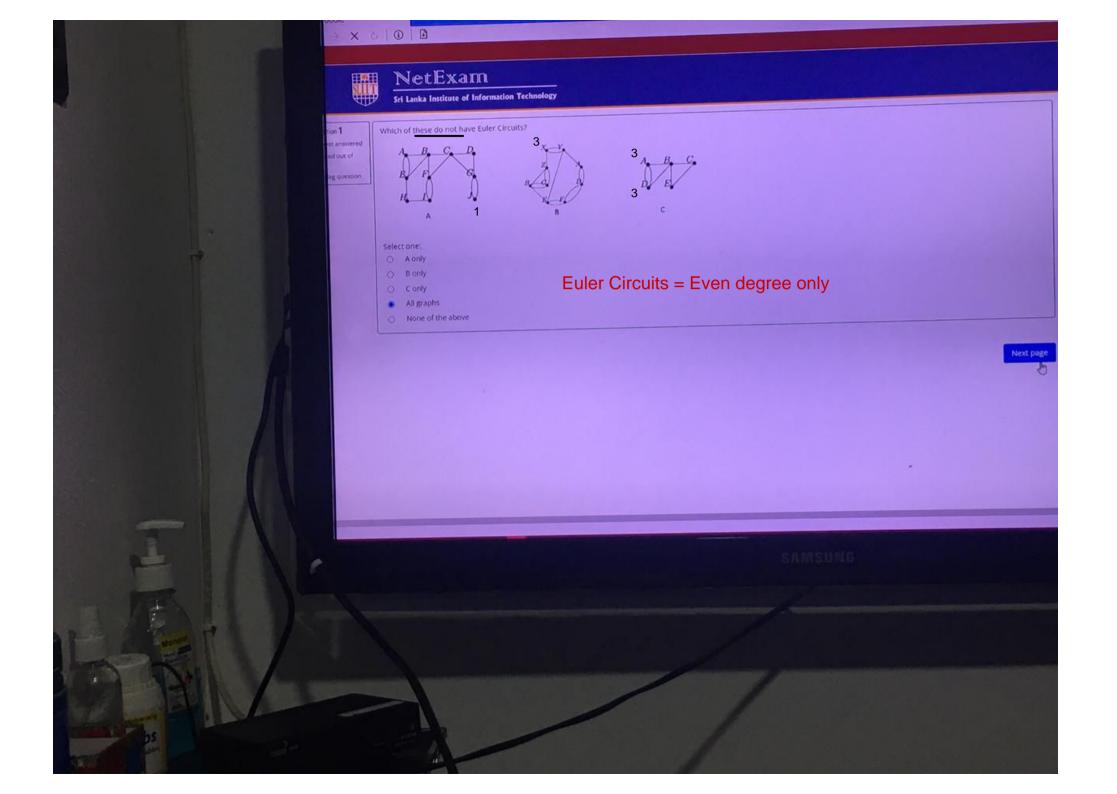
Find the indefinite integral $\int (x^2 + 6x - 2) dx$

(4 marks)

$$\int x^3 + 6x - 2 dx$$

$$\frac{x^4}{4} + 3x^2 - 2x + c$$

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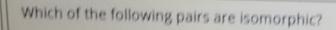
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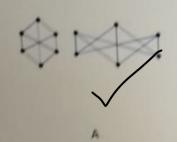
Question 8

Not yet answered

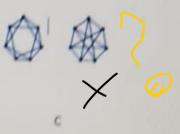
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Y Flag question











- A and B only
- O A and C Only
- O B and Conly
- All are isomorphic
- O None of the above

- 1. Vertices =
- 2. edges =
- 3. sequence
- 4. matching order =
- 5. total degree=



Finish

Time le







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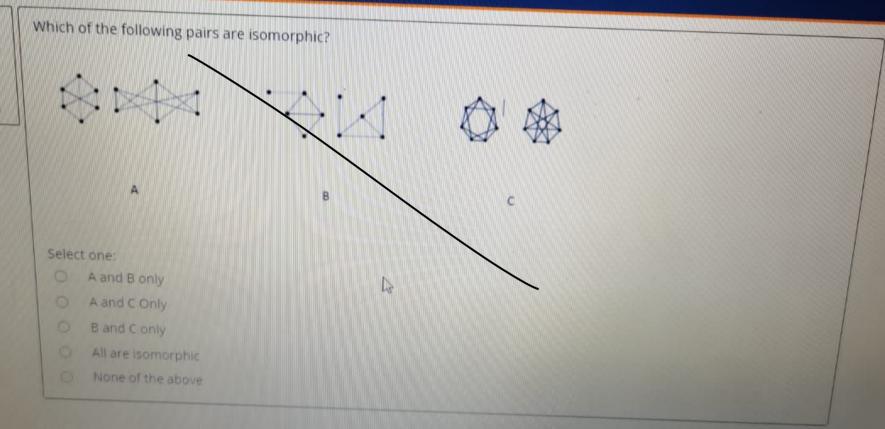
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Question 8

Not yet answered

Marked out of

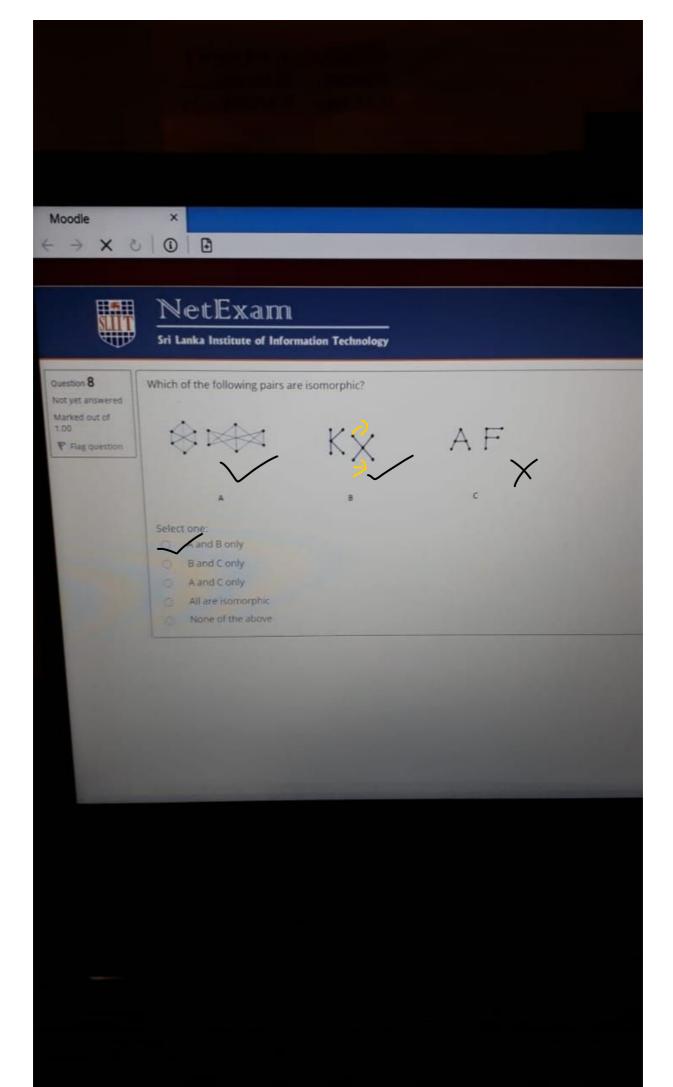
F Flag question





Finish

Time I



Solve the equation A = 2B when,

$$A = \begin{bmatrix} x & 1 & 2 \\ 0 & x^2 - y & 3 \end{bmatrix}$$
 and $B = \begin{bmatrix} 1 & 1/2 & 1 \\ 0 & 1 & 3/2 \end{bmatrix}$.

Select one:

$$0 x = -1, y = 1$$

$$0 x = -2, y = -2$$

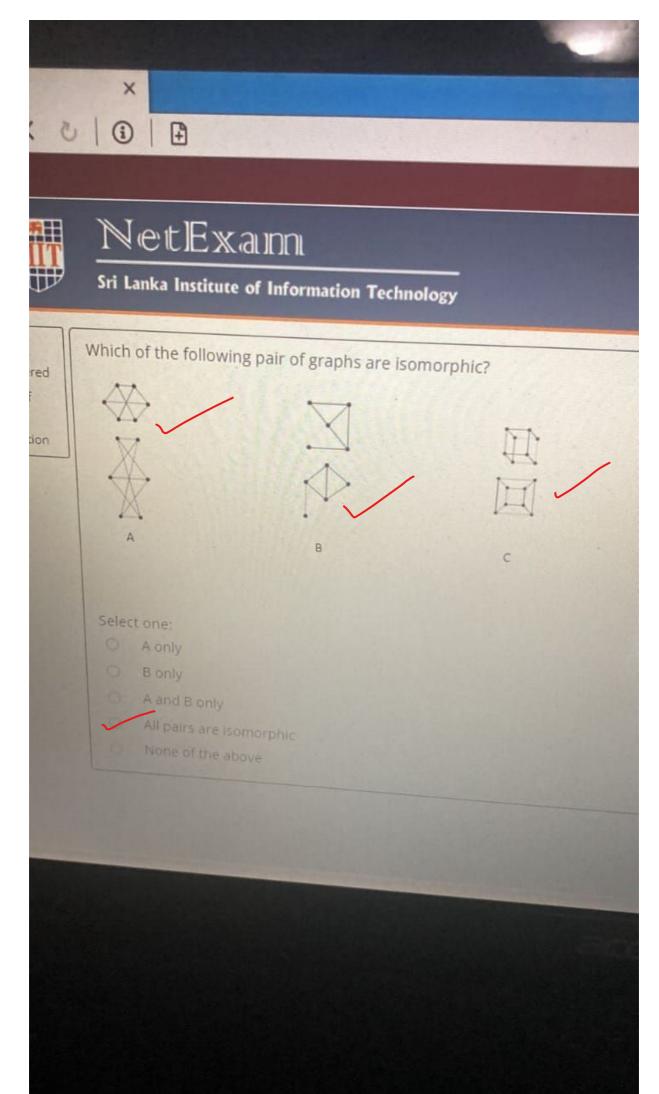
$$0 x = 1, y = -1$$

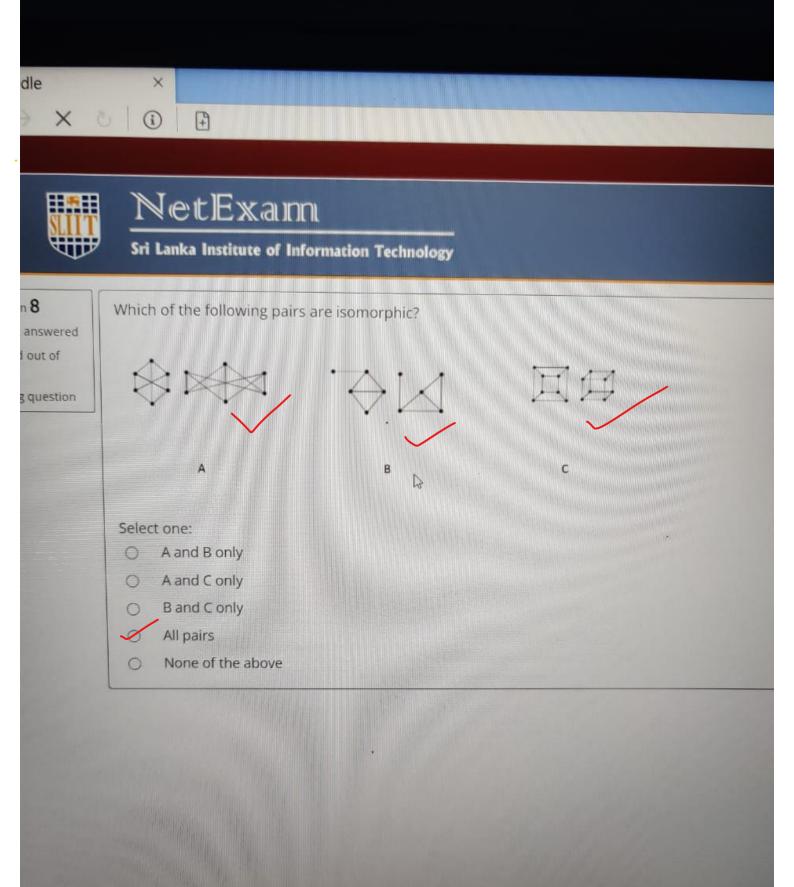
$$0 \times 2, y = 2$$

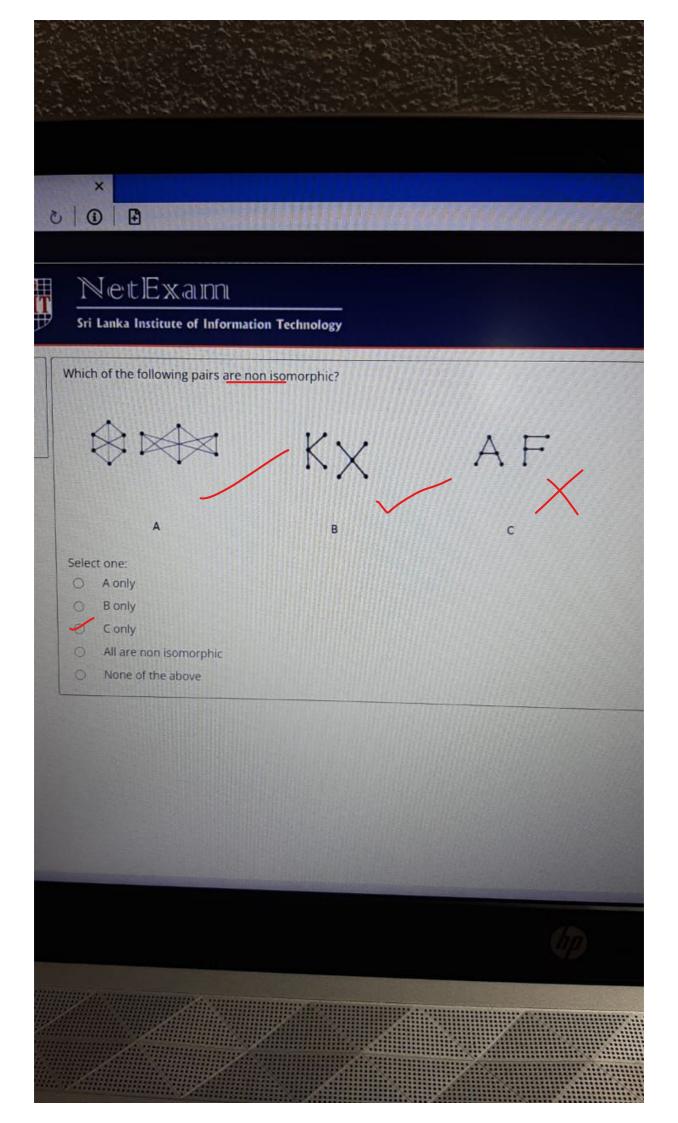
O None of the above

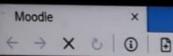
$$x=2$$

$$x^2 - y = 2$$











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Question 7

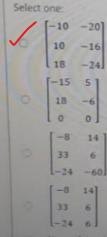
Not yet answered

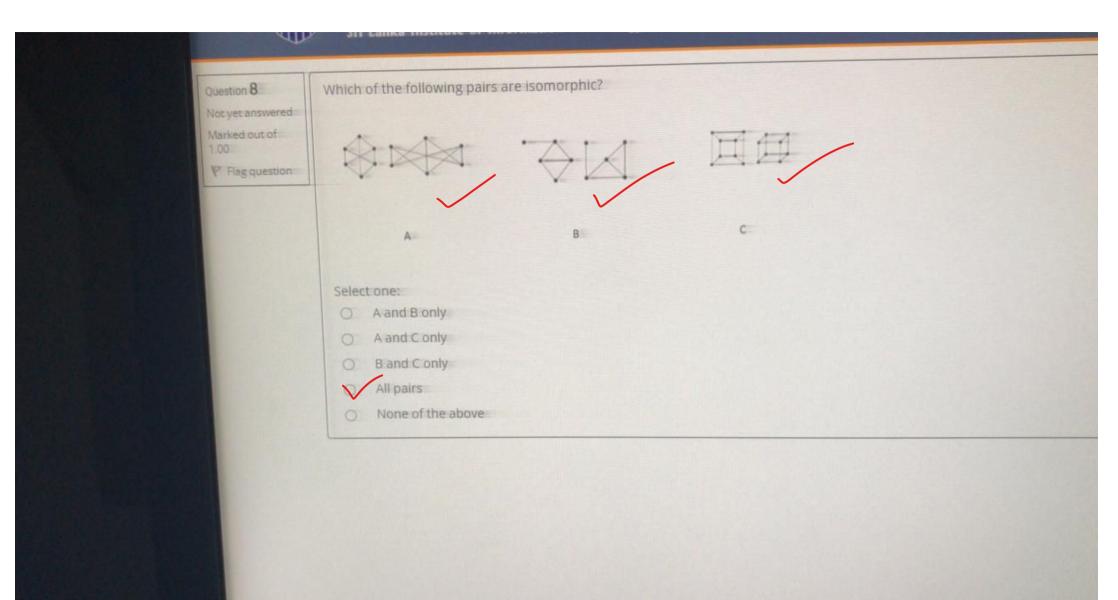
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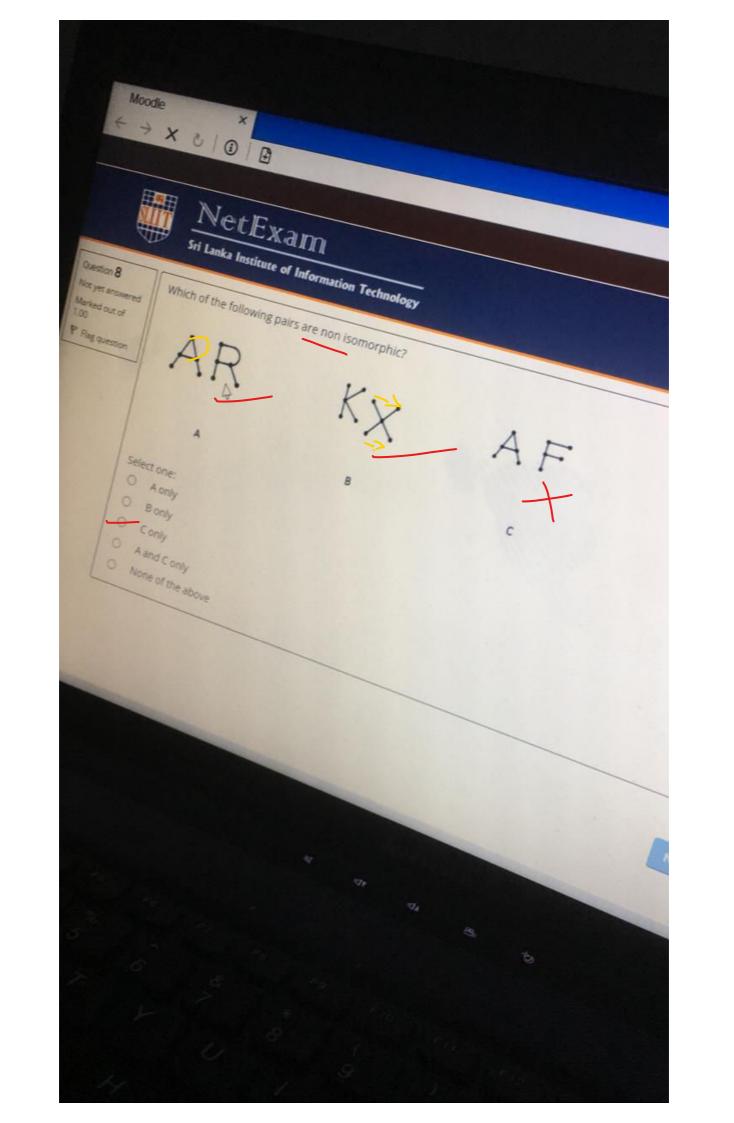
P Flag question

Find the product of the following 2 matrices.

$$\begin{bmatrix} 0 & 5 \\ -3 & 1 \\ -5 & 1 \end{bmatrix} \begin{bmatrix} -4 & 4 \\ -2 & -4 \end{bmatrix}$$











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Find the following product.

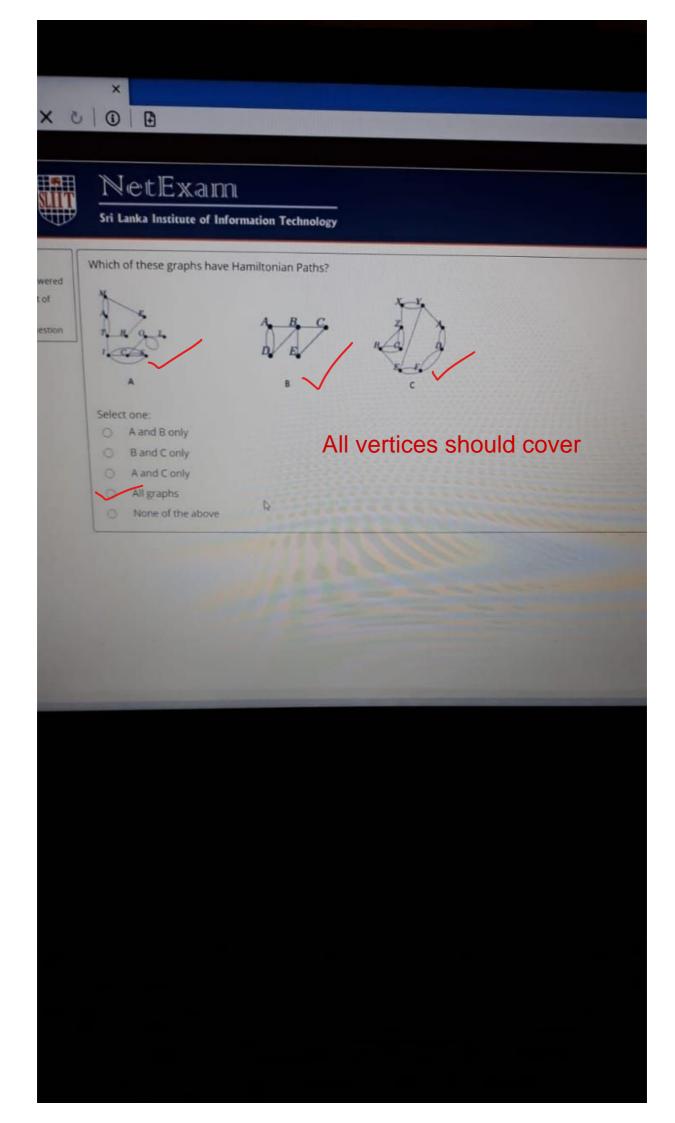
$$\begin{bmatrix} 0 & 2 \\ -2 & -5 \end{bmatrix} \begin{bmatrix} 6 & -6 \\ 3 & 0 \end{bmatrix}$$

Select one:

$$\begin{bmatrix}
-30 & 24 \\
15 & -12
\end{bmatrix}$$

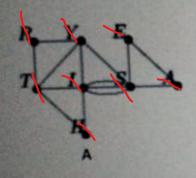
$$\bigcirc \begin{bmatrix}
-14 & -3 \\
-19 & 22
\end{bmatrix}$$

O None of the above

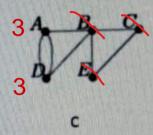


Which of these graphs do not have Euler Paths?

(Hint: A theorem for Euler paths can be used.)







Select one:

A and B Only

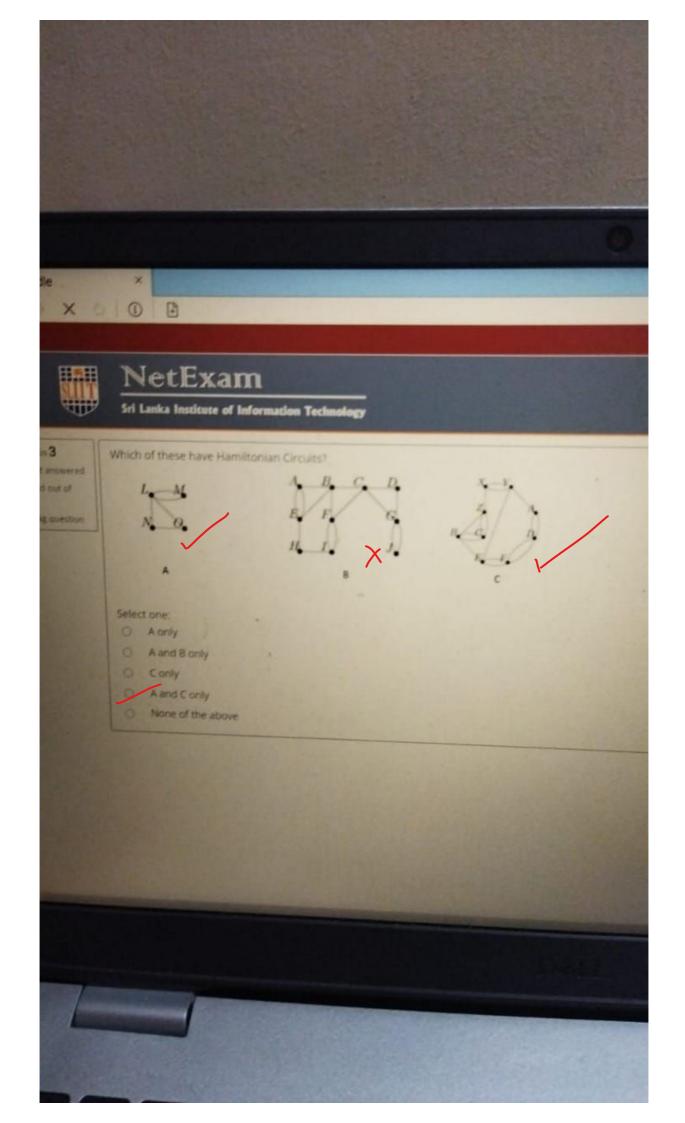
O B and C only

O A and Conly

O All graphs

None of the above

Euler path need 2 odd degree



Question 2

Not yet answered

Marked out of

F Flag question

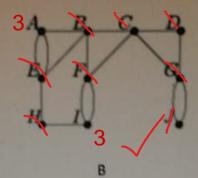
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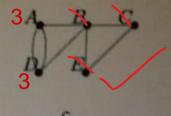
Which of these have Euler Paths?

(Hint: A theorem for Euler paths can be used.)



X





Select one:

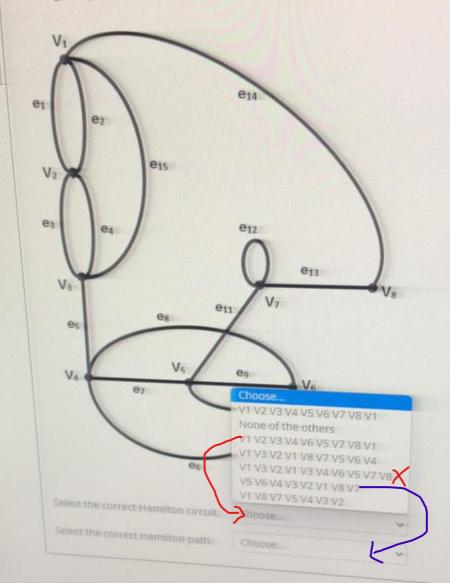
- O A and B only
- B and C only
- A and C only
- All graphs
- None of the above

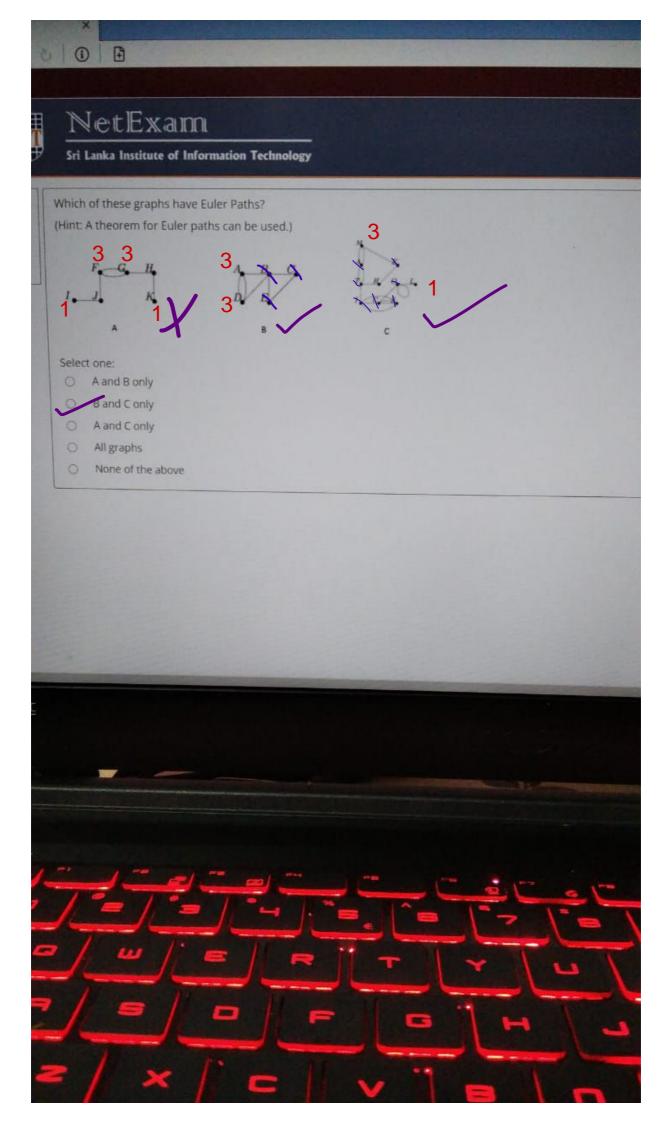


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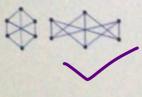
For the given graph,

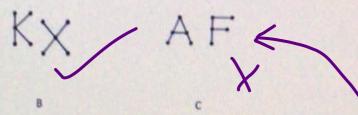




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Which of the following pairs are isomorphic?





Select one:

- O A and B only
- O B and C only
- O A and Conly
- All are isomorphic
- O None of the above

{1 1 2 3 3}!= {1 1 1 2 3 }

Dell

F2 F3 F4 F5 F6 F7 F6 F7

@ # \$ % ^
2 3 4 ₹ 5 € 6

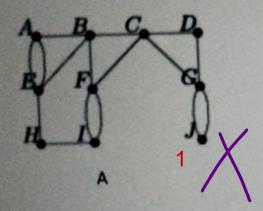
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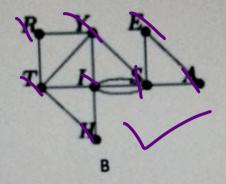
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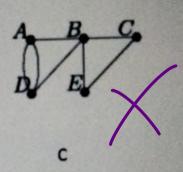
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Which of these have Euler Circuits?





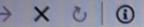


Select one:

- O A only
- O B only
- O Conly
- All graphs
- None of the above

Euler circuit = only even degrees











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question

Solve the equation A = B when,

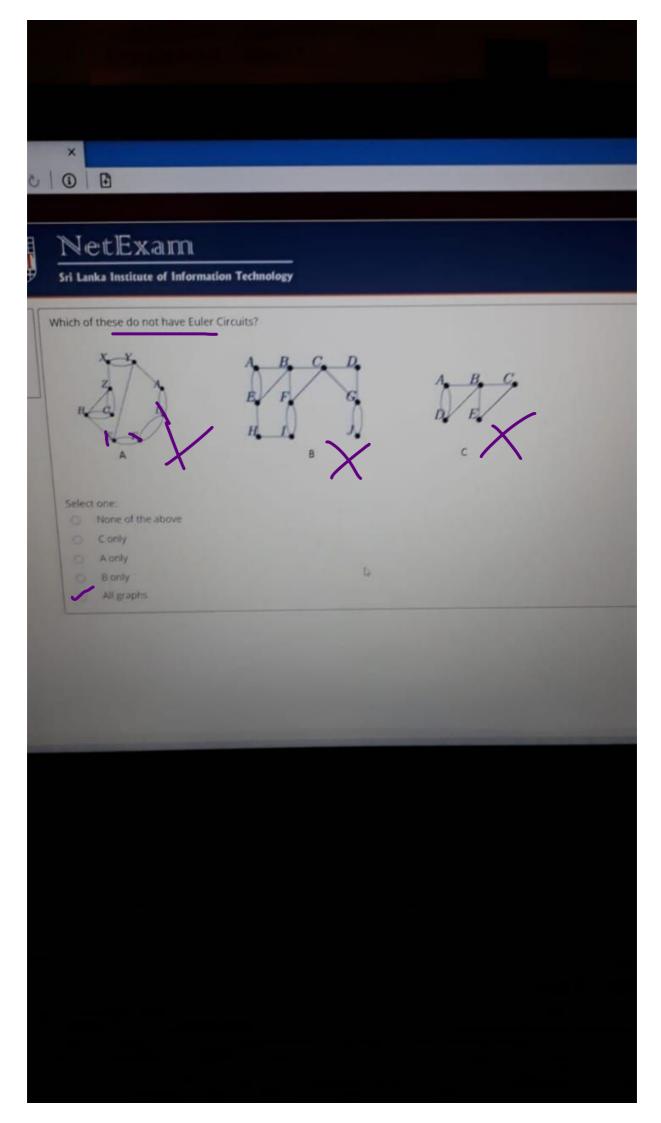
$$A = \begin{bmatrix} x & 1 & 2 \\ 0 & x^2 - y & 3 \end{bmatrix} \text{ and } B = \begin{bmatrix} 2 & 1 & 2 \\ 0 & 2 & 3 \end{bmatrix}.$$

Select one:

$$x = -1, y = 1$$

$$0 x = -2, y = -2$$

None of the above





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Question 2

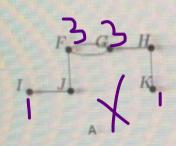
Not yet answered

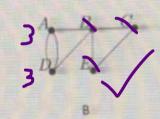
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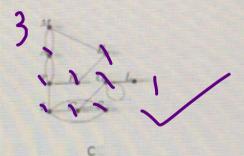
P Flag question

Which of these graphs have Euler Paths?

(Hint: A theorem for Euler paths can be used.)

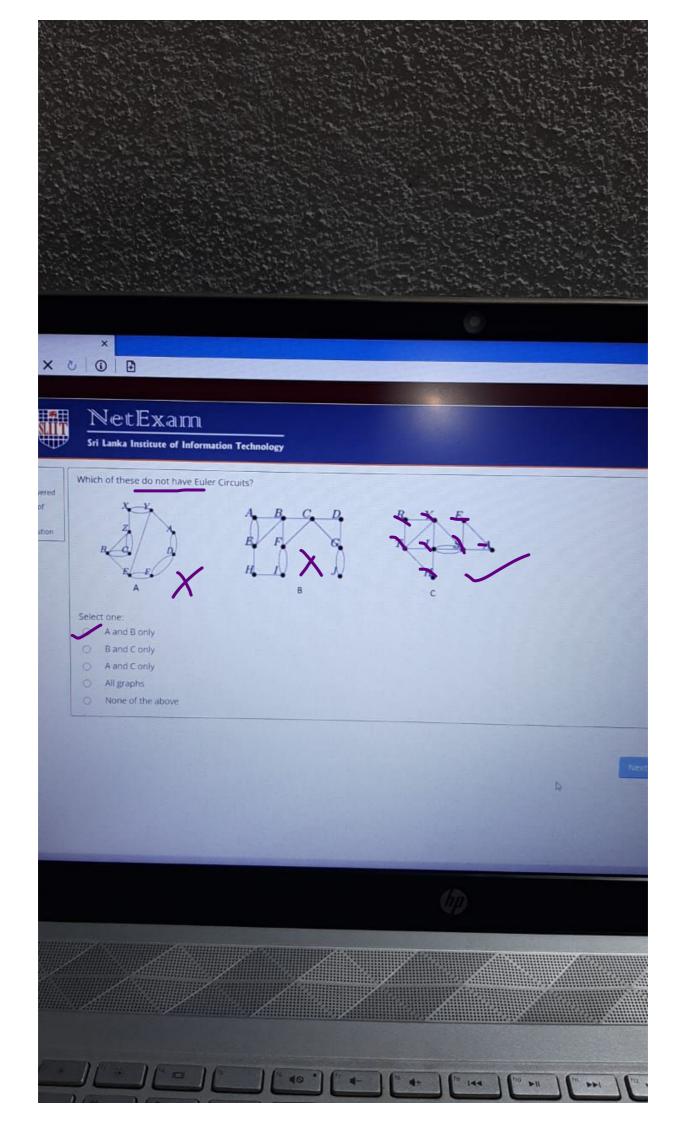


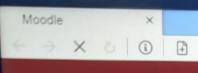




Select one:

- O A and B only
- B and C only
- O A and Conly
- All graphs
- O None of the above





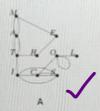


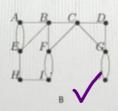
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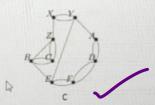
Not yet answered
Marked out of

F Flag question

Which of these graphs have Hamiltonian Paths?







Select one:

- O A only
- O A and B only
- O B and C only
- All graphs
- None of the above