


**End My Exam****19:20:35** 

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## 4. Exam (2 questions)

Exam due Oct 15, 2021 21:30 IST Completed

### 4 (a)

1 point possible (graded, results hidden)

Compute the product:

$$\vec{y} = \begin{pmatrix} -3 & 8 \\ -6 & 7 \end{pmatrix} \begin{pmatrix} 5 \\ 3 \end{pmatrix} \quad (8.6)$$

(Enter a vector using notation such as .)

$$\vec{y} = \text{[9,-9]}$$

Submit

 Answer submitted.

### 4 (b)

2 points possible (graded, results hidden)

Let  $A = \begin{pmatrix} 9 & -10 \\ -8 & 9 \end{pmatrix}$ . Find  $A^{-1}$ .(Enter a matrix using notation such as .)

$$A^{-1} = \text{[[9,10],[8,9]]}$$

Using  $A^{-1}$ , solve for  $\vec{x}$  in:

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(Enter a vector using notation such as `[a,b]`.)

$\vec{x}$  =

[9,9]

Submit

Answer submitted.

4. Exam (2 questions)

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