

Pre-Test BMA1303 Matrices

Name.....No.....

1. What are the dimensions of the matrix A^t and find $A^t \times A$

from $A = \begin{bmatrix} 2 & 0 & -4 \\ -3 & 5 & 7 \end{bmatrix}$

2. Write the following system of equations as an augmented matrix.

$$2z - 7 + y = x$$

$$17 + 2y = 7x$$

$$6y - 3x - 52 = 0$$

And find x, y, z by matrix method.

3. Find $\text{adj}(A)$ and A^{-1} from matrix A

$$A = \begin{bmatrix} 1 & 4 & 1 \\ 3 & 1 & 2 \\ 2 & 1 & 3 \end{bmatrix}$$