

General Maths - 10th Class General Math English Medium Chapter 4 Short Question

Q1.

Ans 1:

Q2. Differentiate between singular and non-singular matrices.

Ans 1:

Q3. What is meant by transpose of a matrix?

Ans 1:

Q4.

Ans 1: Matrix Q has one row and two columns. So, the order of matrix Q is 1-by-2 matrix.

Q5. Does the commutative law hold in multiplication of matrices?

Ans 1:

Q6.

Ans 1:

Q7. When are two matrices confirmed for addition?

Ans 1: Two matrices A and B are said to be conformable for addition, if they are of the same order and their sum is obtained by adding their corresponding elements.

Q8. What is distributive law of matrices?

Ans 1: If three matrices A, B and C are conformable for addition and multiplication then

Ans 2: (i) $A(B + C) = AB + AC$ (left distributive law for matrices)

Ans 3: (ii) $(A + B)C = AC + BC$ (right distributive law for matrices)

Q9.

Ans 1:

Q10. Define the subtraction of two matrices.

Ans 1: If the two matrices A and B are of the same order, then their difference can be written as $A - B$. The difference $A - B$ is obtained by subtracting the elements of matrix B from the corresponding elements of matrix A.

Ans 2: Important Notice: Order of $A - B$ will be same as the order of matrices A and B.
