



Cluny Matric. Hr. Sec. School, Salem

Class:10

MATHS Term-II

WORKSHEET - 1

CHOOSE THE CORRECT ANSWER:

1. The solution of $(2x-1)^2=9$ is equal to _____
 - a. 1 , 2
 - b. -1 , 2
 - c. 1 , -2
2. Graph of a linear polynomial is _____
 - a.straight line
 - b.horizontal line
 - c.parallel lines
- 3.The number of points of intersection of the quadratic polynomial $x^2 +4x + 4$ with the X axis is _____
 - a.2
 - b.3
 - c.1
4. If A is a 2×3 matrix and B is a 3×4 matrix, how many columns does AB have _____
 - a.3
 - b.1
 - c.4
5. If number of columns and rows are not equal in a matrix then it is said to be a _____
 - a.Row Matrix
 - b.Rectangular Matrix
 - c.Column Matrix
6. Transpose of a column matrix is _____ matrix
 - a.Column Matrix
 - b.Row Matrix
 - c.Rectangular Matrix

7. Find the matrix X if $2X + \begin{pmatrix} 1 & 3 \\ 5 & 7 \end{pmatrix} = \begin{pmatrix} 5 & 7 \\ 9 & 5 \end{pmatrix}$ is _____

a. $\begin{pmatrix} 2 & 2 \\ 2 & -1 \end{pmatrix}$

b. $\begin{pmatrix} 2 & -1 \\ 2 & 2 \end{pmatrix}$

c. $\begin{pmatrix} 2 & 2 \\ -1 & 2 \end{pmatrix}$

8. If $B = \begin{pmatrix} 1 & 3 \\ 8 & 6 \end{pmatrix}$ then B^T is _____

a. $\begin{pmatrix} 3 & 6 \\ 1 & 8 \end{pmatrix}$

b. $\begin{pmatrix} 1 & 8 \\ 3 & 6 \end{pmatrix}$

c. $\begin{pmatrix} 1 & 6 \\ 8 & 3 \end{pmatrix}$

9. Find the order of matrix AB if order of $A=4 \times 3$ and $B=3 \times 2$ is _____

a. 3×3

b. 2×4

c. 4×2

10. A _____ is a rectangular array of elements. The _____ arrangements are called rows and _____ arrangements are called columns.

a. matrix, square, vertical

b. matrix, horizontal, vertical

c. square, matrix, horizontal