



# 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  $2 \times 3$  matrix and B is a  $3 \times 4$  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.  $3 \times 3$

b.  $2 \times 4$

c.  $4 \times 2$

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