VIDYA SHREE ACADEMY
SR. SEC. SCHOOL
An English Medium Co.Ed. School | Science & Commerce

W : www.vsajaipur.com | E : vsajaipur@gmail.com M. : +91 9460356652, 8058999828

Add. : 84, Krishna Vihar, Behind Narayan Niwas, Gopalpura Bypass, Jaipur - 302015

/vsajaipur | /vsajaipur | /vidyashreeacademy | /vsa_jaipur

VSA
A Real English Medium School

Little Steps
Pre Primary wing of VSA

Class – 12th   **Chapter-3**   **Subject Maths**

Worksheet-05   **Matrix**

1. Construct a square matrix of order 3 whose elements are given by $a_{ij} = \frac{1}{3}|2i + j|$

2. Write the value of elements a_{12}, a_{22}, a_{21} and a_{13} for matrix given by $a_{ij} = 5i - 2j$.

3. If $\begin{bmatrix} a + b & 4 \\ -3 & ab \end{bmatrix} = \begin{bmatrix} 6 & 4 \\ -3 & 8 \end{bmatrix}$, then find the value of a and b.

Find the values of *x*, *y* and *z* from the following equations:

4. $\begin{bmatrix} 4 & 3 \\ x & 5 \end{bmatrix} = \begin{bmatrix} y & z \\ 1 & 5 \end{bmatrix}$

5. $\begin{bmatrix} x + y & 2 \\ 5 + z & xy \end{bmatrix} = \begin{bmatrix} 6 & 2 \\ 5 & 8 \end{bmatrix}$

6. $\begin{bmatrix} x + y + z \\ x + z \\ y + z \end{bmatrix} = \begin{bmatrix} 9 \\ 5 \\ 7 \end{bmatrix}$