

Matrices

Name: _____

Date: _____

Find the position of specific entry in a matrix

1)

$$A = \begin{bmatrix} 4 & \sqrt{7} & 9 & 3 & \sqrt{6} & \sqrt{10} \\ -8 & 1 & -2 & 0 & -6 & 5 \\ 6 & -8 & 7 & -9 & -1 & 0 \\ 2 & -4 & 5 & -5 & 2 & 4 \\ \sqrt{4} & 8 & 1 & \sqrt{10} & \sqrt{9} & -3 \end{bmatrix}$$

1) $a_{34} =$ _____

2) $a_{21} =$ _____

3) $a_{51} =$ _____

4) $a_{16} =$ _____

5) $a_{52} =$ _____

6) $a_{35} =$ _____

7) $a_{13} =$ 9

8) $a_{54} =$ _____

9) $a_{44} =$ _____

2)

$$B = \begin{bmatrix} 1 & 7 & \sqrt{2} & -5 & -8 & \sqrt{7} \\ \sqrt{5} & -2 & 4 & \sqrt{1} & 6 & 0 \\ 9 & 8 & 0 & -7 & -1 & 8 \\ -3 & 5 & 10 & 3 & 2 & -9 \\ \sqrt{4} & \sqrt{9} & -6 & \sqrt{3} & -4 & 2 \end{bmatrix}$$

1) $b_{26} =$ _____

2) $b_{13} =$ _____

3) $b_{54} =$ _____

4) $b_{15} =$ _____

5) $b_{55} =$ _____

6) $b_{32} =$ _____

7) $b_{31} =$ _____

8) $b_{23} =$ _____

9) $b_{51} =$ _____

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1)

$$A = \begin{bmatrix} 4 & \sqrt{7} & 9 & 3 & \sqrt{6} & \sqrt{10} \\ -8 & 1 & -2 & 0 & -6 & 5 \\ 6 & -8 & 7 & -9 & -1 & 0 \\ 2 & -4 & 5 & -5 & 2 & 4 \\ \sqrt{4} & 8 & 1 & \sqrt{10} & \sqrt{9} & -3 \end{bmatrix}$$

1) $a_{34} = \underline{\quad -9 \quad}$

2) $a_{21} = \underline{\quad -8 \quad}$

3) $a_{51} = \underline{\quad \sqrt{4} \quad}$

4) $a_{16} = \underline{\quad \sqrt{10} \quad}$

5) $a_{52} = \underline{\quad 8 \quad}$

6) $a_{35} = \underline{\quad -1 \quad}$

7) $a_{13} = \underline{\quad 9 \quad}$

8) $a_{54} = \underline{\quad \sqrt{10} \quad}$

9) $a_{44} = \underline{\quad -5 \quad}$

2)

$$B = \begin{bmatrix} 1 & 7 & \sqrt{2} & -5 & -8 & \sqrt{7} \\ \sqrt{5} & -2 & 4 & \sqrt{1} & 6 & 0 \\ 9 & 8 & 0 & -7 & -1 & 8 \\ -3 & 5 & 10 & 3 & 2 & -9 \\ \sqrt{4} & \sqrt{9} & -6 & \sqrt{3} & -4 & 2 \end{bmatrix}$$

1) $b_{26} = \underline{\quad 0 \quad}$

2) $b_{13} = \underline{\quad \sqrt{2} \quad}$

3) $b_{54} = \underline{\quad \sqrt{3} \quad}$

4) $b_{15} = \underline{\quad -8 \quad}$

5) $b_{55} = \underline{\quad -4 \quad}$

6) $b_{32} = \underline{\quad 8 \quad}$

7) $b_{31} = \underline{\quad 9 \quad}$

8) $b_{23} = \underline{\quad 4 \quad}$

9) $b_{51} = \underline{\quad \sqrt{4} \quad}$