

# Matrices

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Find the position of specific entry in a matrix

1)

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

1)  $a_{32} = \underline{6}$

2)  $a_{22} = \underline{\hspace{2cm}}$

3)  $a_{31} = \underline{\hspace{2cm}}$

4)  $a_{23} = \underline{\hspace{2cm}}$

5)  $a_{13} = \underline{\hspace{2cm}}$

6)  $a_{21} = \underline{\hspace{2cm}}$

7)  $a_{33} = \underline{\hspace{2cm}}$

8)  $a_{12} = \underline{\hspace{2cm}}$

9)  $a_{11} = \underline{\hspace{2cm}}$

2)

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

1)  $b_{23} = \underline{\hspace{2cm}}$

2)  $b_{12} = \underline{\hspace{2cm}}$

3)  $b_{34} = \underline{\hspace{2cm}}$

4)  $b_{22} = \underline{\hspace{2cm}}$

5)  $b_{24} = \underline{\hspace{2cm}}$

6)  $b_{31} = \underline{\hspace{2cm}}$

7)  $b_{21} = \underline{\hspace{2cm}}$

8)  $b_{11} = \underline{\hspace{2cm}}$

9)  $b_{32} = \underline{\hspace{2cm}}$

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1)  $a_{32} =$  6

2)  $a_{22} =$  9

3)  $a_{31} =$  8

4)  $a_{23} =$  2

5)  $a_{13} =$  7

6)  $a_{21} =$  5

7)  $a_{33} =$  4

8)  $a_{12} =$  3

9)  $a_{11} =$  1

2)

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

1)  $b_{23} =$  0

2)  $b_{12} =$  7

3)  $b_{34} =$  6

4)  $b_{22} =$  5

5)  $b_{24} =$  8

6)  $b_{31} =$  0

7)  $b_{21} =$  6

8)  $b_{11} =$  1

9)  $b_{32} =$  3