

# Matrices

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

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

Find the position of specific entry in a matrix

1)

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

1)  $a_{56} =$  \_\_\_\_\_

2)  $a_{45} =$  \_\_\_\_\_

3)  $a_{33} =$  \_\_\_\_\_

4)  $a_{22} =$  \_\_\_\_\_

5)  $a_{12} =$  \_\_\_\_\_

6)  $a_{13} =$  \_\_\_\_\_

7)  $a_{43} =$  \_\_\_\_\_

8)  $a_{36} =$  \_\_\_\_\_

9)  $a_{24} =$  \_\_\_\_\_

2)

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

1)  $b_{55} =$  \_\_\_\_\_

2)  $b_{34} =$  \_\_\_\_\_

3)  $b_{25} =$  \_\_\_\_\_

4)  $b_{16} =$  \_\_\_\_\_

5)  $b_{42} =$  \_\_\_\_\_

6)  $b_{36} =$  \_\_\_\_\_

7)  $b_{23} =$  \_\_\_\_\_

8)  $b_{13} =$  \_\_\_\_\_

9)  $b_{31} =$  \_\_\_\_\_

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1)  $a_{56} = \underline{\quad -9 \quad}$

2)  $a_{45} = \underline{\quad 3 \quad}$

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1)  $b_{55} = \underline{\quad -2 \quad}$

2)  $b_{34} = \underline{\quad 0 \quad}$

3)  $b_{25} = \underline{\quad 6 \quad}$

4)  $b_{16} = \underline{\quad -7 \quad}$

5)  $b_{42} = \underline{\quad 5 \quad}$

6)  $b_{36} = \underline{\quad 1 \quad}$

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