Name



Identify a matrix element from its row and column indices

1 Which row-column notation describes the entry with this value?

$$\begin{bmatrix} 64 & 31 \\ 80 & 79 \\ 21 & 47 \\ 82 & 75 \end{bmatrix} \quad \text{value} = 47$$

A $a_{1,1}$	B $a_{1,2}$
C $a_{3,2}$	D $a_{2,1}$

2 Which row-column notation describes this entry?

$$\text{Row } 5,\ \text{Column } 7$$

A $a_{7,5}$	B $a_{5,7}$

3 Which entry does this row-column notation describe?

$$a_{8,6}$$

A Column 8, Row 6
B Column 6, Row 8

4 Which row-column notation describes the highlighted entry?

A $a_{3,2}$	B $a_{6,4}$
C $a_{2,3}$	D $a_{6,2}$

5 Use the row-column notation to find the value of the entry.

$$\begin{bmatrix} 46 & 67 & 83 \\ 11 & 76 & 92 \end{bmatrix} \quad a_{2,3} = ?$$

A 11	B 67
C 46	D 92

6 Use the row-column notation to find the value of the entry.

$$\begin{bmatrix} 2 & 8 \\ 53 & 41 \\ 74 & 79 \end{bmatrix} \quad a_{1,2} = ?$$

A 41	B 53
C 8	D 2

7 Use the row-column notation to find the value of the entry.

$$\begin{bmatrix} 11 & 94 & 7 & 40 & 85 & 3 \\ 16 & 29 & 90 & 79 & 48 & 5 \\ 63 & 20 & 89 & 93 & 57 & 70 \\ 69 & 54 & 28 & 8 & 98 & 31 \\ 51 & 61 & 42 & 35 & 91 & 9 \end{bmatrix} \quad a_{5,3} = ?$$

A 42	B 93
C 7	D 57

8 Use the row-column notation to find the value of the entry.

$$\begin{bmatrix} 8 & 14 & 29 & 84 & 94 \\ 3 & 86 & 78 & 87 & 40 \end{bmatrix} \quad a_{2,1} = ?$$

A 94	B 3
C 87	D 14