Matrices

Find the position of specific entry in a matrix

1)

$$A = \begin{bmatrix} \sqrt{15} & \sqrt{5} & 17 & 11 & \sqrt{6} & -12 \\ -19 & 8 & 16 & -3 & 6 & \sqrt{18} \\ 0 & 4 & 1 & -11 & 19 & -9 \\ 9 & -14 & \sqrt{17} & 5 & 15 & 13 \\ -10 & 2 & -5 & -6 & 3 & 7 \end{bmatrix}$$

1) $a_{56} =$ _____   2) $a_{22} =$ _____   3) $a_{12} =$ _____

4) $a_{45} =$ _____   5) $a_{34} =$ _____   6) $a_{32} =$ _____

7) $a_{26} =$ _____   8) $a_{54} =$ _____   9) $a_{11} =$ _____

2)

$$B = \begin{bmatrix} \sqrt{8} & 1 & \sqrt{13} & 6 & \sqrt{12} & 17 \\ 13 & 7 & 9 & -10 & -16 & 15 \\ -2 & 2 & 0 & 12 & 8 & 0 \\ -9 & 4 & 19 & \sqrt{18} & 19 & 5 \\ 11 & \sqrt{3} & 14 & -3 & -10 & 3 \end{bmatrix}$$

1) $b_{45} =$ _____   2) $b_{33} =$ _____   3) $b_{51} =$ _____

4) $b_{24} =$ _____   5) $b_{13} =$ _____   6) $b_{11} =$ _____

7) $b_{16} =$ _____   8) $b_{44} =$ _____   9) $b_{36} =$ _____

Matrices

Name:_____   Date:_____

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$$A = \begin{bmatrix} \sqrt{15} & \sqrt{5} & 17 & 11 & \sqrt{6} & -12 \\ -19 & 8 & 16 & -3 & 6 & \sqrt{18} \\ 0 & 4 & 1 & -11 & 19 & -9 \\ 9 & -14 & \sqrt{17} & 5 & 15 & 13 \\ -10 & 2 & -5 & -6 & 3 & 7 \end{bmatrix}$$

1) a_{56} = ____7____

2) a_{22} = ____8____

3) a_{12} = ____$\sqrt{5}$____

4) a_{45} = ____15____

5) a_{34} = ____-11____

6) a_{32} = ____4____

7) a_{26} = ____$\sqrt{18}$____

8) a_{54} = ____-6____

9) a_{11} = ____$\sqrt{15}$____

2)

$$B = \begin{bmatrix} \sqrt{8} & 1 & \sqrt{13} & 6 & \sqrt{12} & 17 \\ 13 & 7 & 9 & -10 & -16 & 15 \\ -2 & 2 & 0 & 12 & 8 & 0 \\ -9 & 4 & 19 & \sqrt{18} & 19 & 5 \\ 11 & \sqrt{3} & 14 & -3 & -10 & 3 \end{bmatrix}$$

1) b_{45} = ____19____

2) b_{33} = ____0____

3) b_{51} = ____11____

4) b_{24} = ____-10____

5) b_{13} = ____$\sqrt{13}$____

6) b_{11} = ____$\sqrt{8}$____

7) b_{16} = ____17____

8) b_{44} = ____$\sqrt{18}$____

9) b_{36} = ____0____