



Determinant of 3x3 Matrix

Version 1

Name: _____

Date: _____

Score: _____

Direction: Solve for the determinant of the following 3x3 matrices. Show all your work in the space provided.

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

$$2) \begin{bmatrix} -2 & -1 & 0 \\ 5 & 1 & -7 \\ 4 & -4 & 6 \end{bmatrix}$$

$$3) \begin{bmatrix} 0 & 5 & -6 \\ 7 & 6 & -3 \\ 1 & 2 & 8 \end{bmatrix}$$



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

120

$$2) \begin{bmatrix} -2 & -1 & 0 \\ 5 & 1 & -7 \\ 4 & -4 & 6 \end{bmatrix}$$

102

$$3) \begin{bmatrix} 0 & 5 & -6 \\ 7 & 6 & -3 \\ 1 & 2 & 8 \end{bmatrix}$$

-343