



# Determinant of 3x3 Matrix

Version 2

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

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

Score: \_\_\_\_\_

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

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

2) 
$$\begin{bmatrix} 1 & 1 & -1 \\ 1 & 2 & 3 \\ -3 & -4 & -5 \end{bmatrix}$$

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



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

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

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$$2) \begin{bmatrix} 1 & 1 & -1 \\ 1 & 2 & 3 \\ -3 & -4 & -5 \end{bmatrix}$$

-4

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

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