

Name _____

Date _____

Determinants and Inverses of 2 x 2 Matrices - Independent Practice Worksheet

Complete all the problems.

Calculate the determinant of the matrix:

1.

$$\begin{bmatrix} 2 & -4 \\ 6 & 8 \end{bmatrix}$$

2.

$$\begin{bmatrix} 5 & 7 \\ 9 & 10 \end{bmatrix}$$

3.

$$\begin{bmatrix} 1 & 3 \\ 5 & 7 \end{bmatrix}$$

4.

$$\begin{bmatrix} 9 & 7 \\ 5 & 3 \end{bmatrix}$$

5.

$$\begin{bmatrix} 2 & 1 \\ 8 & 8 \end{bmatrix}$$



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Find the inverse for the following matrices.

6.

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

7.

$$\begin{bmatrix} 0 & 2 \\ 9 & -8 \end{bmatrix}$$

8.

$$\begin{bmatrix} 2 & 7 \\ -7 & 1 \end{bmatrix}$$

9.

$$\begin{bmatrix} 8 & 4 \\ 0 & 6 \end{bmatrix}$$

10.

$$\begin{bmatrix} -4 & 0 \\ 9 & 1 \end{bmatrix}$$

