

Name _____

Date _____

Finding the Inverse of a Matrix - Independent Practice Worksheet

Complete all the problems. Find the inverse of the following matrix.

1.
$$\begin{pmatrix} 4 & 0 & 2 \\ 1 & 0 & 2 \\ 2 & 1 & 0 \end{pmatrix}$$

2.
$$\begin{pmatrix} 0 & 1 & 1 \\ 1 & 2 & 3 \\ 3 & 3 & 1 \end{pmatrix}$$

3.
$$\begin{pmatrix} 2 & 3 & 0 \\ 1 & 2 & 0 \\ 1 & 0 & 3 \end{pmatrix}$$

4.
$$\begin{pmatrix} 1 & 2 & 0 \\ 0 & 3 & 4 \\ 5 & 3 & 3 \end{pmatrix}$$

5.
$$\begin{pmatrix} 3 & 2 & 2 \\ 1 & 4 & 1 \\ 1 & 6 & 3 \end{pmatrix}$$



Name _____

Date _____

$$6. \begin{pmatrix} 0 & 3 & 4 \\ 2 & 4 & 0 \\ 1 & 2 & 1 \end{pmatrix}$$

$$7. \begin{pmatrix} 3 & 1 & 2 \\ 0 & 4 & 2 \\ 1 & 0 & 2 \end{pmatrix}$$

$$8. \begin{pmatrix} 0 & 2 & 1 \\ 4 & 3 & 2 \\ 0 & 2 & 1 \end{pmatrix}$$

$$9. \begin{pmatrix} 2 & 0 & 3 \\ 6 & 5 & 3 \\ 3 & 2 & 1 \end{pmatrix}$$

$$10. \begin{pmatrix} 2 & 0 & 2 \\ 3 & 1 & 2 \\ 0 & 4 & 1 \end{pmatrix}$$

