

Name _____

Date _____ Period _____

Inverses of 3x3 Matrices

Find the inverse of each matrix.

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

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

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

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

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

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