

INVERSE OF A MATRIX

Complete the table below for the following non-singular matrices.

	Matrix A	Determinant $ A $	Adjoint A_{adj}	Inverse A^{-1}
1.	$\begin{pmatrix} 4 & 7 \\ 8 & 3 \end{pmatrix}$		$\begin{pmatrix} \square & \square \\ \square & \square \end{pmatrix}$	$\frac{\square}{\square} \begin{pmatrix} \square & \square \\ \square & \square \end{pmatrix}$
2.	$\begin{pmatrix} 4 & -3 \\ 2 & -1 \end{pmatrix}$		$\begin{pmatrix} \square & \square \\ \square & \square \end{pmatrix}$	$\frac{\square}{\square} \begin{pmatrix} \square & \square \\ \square & \square \end{pmatrix}$
3.	$\begin{pmatrix} -6 & 5 \\ -8 & 7 \end{pmatrix}$		$\begin{pmatrix} \square & \square \\ \square & \square \end{pmatrix}$	$\frac{\square}{\square} \begin{pmatrix} \square & \square \\ \square & \square \end{pmatrix}$
4.	$\begin{pmatrix} -3 & -2 \\ -1 & 4 \end{pmatrix}$		$\begin{pmatrix} \square & \square \\ \square & \square \end{pmatrix}$	$\frac{\square}{\square} \begin{pmatrix} \square & \square \\ \square & \square \end{pmatrix}$
5.	$\begin{pmatrix} -8 & 3 \\ 5 & -4 \end{pmatrix}$		$\begin{pmatrix} \square & \square \\ \square & \square \end{pmatrix}$	$\frac{\square}{\square} \begin{pmatrix} \square & \square \\ \square & \square \end{pmatrix}$