

Fill in the Blanks

Inverse of a 3x3 Matrix

Matrix A	det A	Matrix of Minors M	Matrix of Cofactors C	Transpose of Cofactors C ^T	Inverse Matrix A ⁻¹
$\begin{pmatrix} 3 & 1 & 0 \\ 0 & 2 & 0 \\ 0 & 0 & 1 \end{pmatrix}$		$\begin{pmatrix} 2 & 0 & 0 \\ 1 & 3 & 0 \\ 0 & 0 & 6 \end{pmatrix}$			$\begin{pmatrix} 1 & -\frac{1}{6} & 0 \\ 0 & \frac{1}{2} & 0 \\ 0 & 0 & 1 \end{pmatrix}$
$\begin{pmatrix} 0 & -1 & 2 \\ 2 & 3 & -1 \\ 1 & 1 & 0 \end{pmatrix}$					
$\begin{pmatrix} 3 & 2 & 0 \\ 4 & 2 & -1 \\ -2 & 0 & 1 \end{pmatrix}$					
$\begin{pmatrix} 1 & -3 & 0 \\ 4 & -1 & 2 \\ 1 & 0 & 1 \end{pmatrix}$					
$\begin{pmatrix} 2 & a & 0 \\ 2 & 1 & -2 \\ -1 & 0 & 1 \end{pmatrix}$					
$\begin{pmatrix} -b & 1 & -1 \\ 1 & 0 & 2 \\ b & -1 & 2 \end{pmatrix}$					