



Presents

A Multiplying 2x2 by 2x2 Matrices worksheet

	Question	Answer
1	$\begin{pmatrix} 2 & -3 \\ 1 & 4 \end{pmatrix} \times \begin{pmatrix} 1 & -3 \\ 0 & 2 \end{pmatrix}$	$\begin{pmatrix} 2 & -12 \\ 1 & 5 \end{pmatrix}$
2	$\begin{pmatrix} 0 & 3 \\ 3 & 1 \end{pmatrix} \times \begin{pmatrix} -1 & 0 \\ 0 & 1 \end{pmatrix}$	$\begin{pmatrix} 0 & 3 \\ -3 & 1 \end{pmatrix}$
3	$\begin{pmatrix} 4 & 1 \\ -6 & -1 \end{pmatrix} \times \begin{pmatrix} 3 & 4 \\ 3 & -9 \end{pmatrix}$	$\begin{pmatrix} 15 & 7 \\ -21 & -15 \end{pmatrix}$
4	$\frac{2}{5} \begin{pmatrix} 1 & 3 \\ 3 & 10 \end{pmatrix} \times \begin{pmatrix} -1 & 4 \\ 2 & 6 \end{pmatrix}$	$\begin{pmatrix} 2 & 8.8 \\ 6.8 & 28.8 \end{pmatrix}$
5	$\frac{-3}{4} \begin{pmatrix} 3 & 1 \\ -1 & 4 \end{pmatrix} \times \begin{pmatrix} 4 & 5 \\ 6 & -10 \end{pmatrix}$	$\begin{pmatrix} -13.5 & -3.75 \\ -15 & 33.75 \end{pmatrix}$