



Presents

A Multiplying 2x2 by 2x1 Matrices worksheet

	Question	Answer
1	$\begin{pmatrix} -2 & 3 \\ 3 & -2 \end{pmatrix} \times \begin{pmatrix} 2 \\ -1 \end{pmatrix}$	$\begin{pmatrix} -7 \\ 8 \end{pmatrix}$
2	$\begin{pmatrix} -1 & 0 \\ 3 & -5 \end{pmatrix} \times \begin{pmatrix} -1 \\ 4 \end{pmatrix}$	$\begin{pmatrix} 1 \\ -23 \end{pmatrix}$
3	$\begin{pmatrix} 5 & 1 \\ 3 & 4 \end{pmatrix} \times \begin{pmatrix} 1 \\ -4 \end{pmatrix}$	$\begin{pmatrix} 1 \\ -13 \end{pmatrix}$
4	$\frac{2}{5} \begin{pmatrix} -1 & 2 \\ 4 & 1 \end{pmatrix} \times \begin{pmatrix} 4 \\ -10 \end{pmatrix}$	$\begin{pmatrix} -9.6 \\ 2.4 \end{pmatrix}$
5	$\frac{1}{-4} \begin{pmatrix} 1 & -1 \\ 0 & 3 \end{pmatrix} \times \begin{pmatrix} -6 \\ 4 \end{pmatrix}$	$\begin{pmatrix} 2.5 \\ -3 \end{pmatrix}$
6	$\frac{-3}{10} \begin{pmatrix} 9 & 4 \\ -1 & 2 \end{pmatrix} \times \begin{pmatrix} -7 \\ 2 \end{pmatrix}$	$\begin{pmatrix} 16.5 \\ -3.3 \end{pmatrix}$